

Mayor
John Aneralla

Mayor Pro-Tem
Danny Phillips

Commissioners
Melinda Bales
Dan Boone
Mark Gibbons
Charles Guignard
Rob Kidwell



Department Heads
Vickie Brock, HR Director
Max Buchanan, Public Works
Jackie Huffman, Finance
Michael Jaycocks, Parks&Rec
Jack Simoneau, Planning
Cleveland Spruill, Police Chief

Assistant Town Manager
Gerry Vincent

Town Clerk
Janet Pierson

Town Attorney
Bob Blythe

AGENDA
Regular Town Board Meeting
April 17, 2017 - 6:30 PM
TOWN HALL (101 Huntersville-Concord Road)

- I. Pre-meeting**
 - A. Budget Work Session - Major Capital Projects. (5:00 p.m.)
- II. Call to Order**
- III. Invocation - Moment of Silence**
- IV. Pledge of Allegiance**
- V. Mayor and Commissioner Reports-Staff Questions**
 - A. Mayor Aneralla (Metropolitan Transit Commission, Commerce Station Management Team, North Meck Alliance)
 - B. Commissioner Bales (Lake Norman EDC, Lake Norman Education Collaborative)
 - C. Commissioner Boone (Public Safety Liaison, Land Development Ordinances Advisory Board)
 - D. Commissioner Gibbons (NC 73 Council of Planning, Veterans Liaison)
 - E. Commissioner Guignard (Centralina Council of Governments, Planning Coordinating Committee)
 - F. Commissioner Kidwell (Charlotte Regional Transportation Planning Organization, Olde Huntersville Historic Society)
 - G. Commissioner Phillips (Lake Norman Chamber Board, Visit Lake Norman Board)
- VI. Public Comments, Requests, or Presentations**
 - A. Recognition of 2017 Huntersville 101 class.
- VII. Agenda Changes**
 - A. Agenda changes, if any.
 - B. Adoption of Agenda.
- VIII. Public Hearings**

IX. Other Business

- A. Consider approving proposals for investigative work/testing related to the uveal melanoma cancer cluster. (*Gerry Vincent*)
- B. Consider approving First Amendment to the Carolina Rapids Agreement. (*Michael Jaycocks*)
- C. Consider appointment to the Greenway, Trail and Bikeway Commission. (*Tracy Houk*)

X. Consent Agenda

- A. Approve budget amendment appropriating funds received in the amount of \$30,830.12 from Lake Norman Charter School (per agreement for security services) for the months of August 2016 to January 2017 to the Police Department's budget for overtime, benefits and vehicle costs. (*Jackie Huffman/Chief Spruill*)

XI. Closing Comments

XII. Adjourn

To speak concerning an item on the Agenda, please print your name and address on the sign-up sheet on the table outside the Board Room prior to the meeting. If you wish to speak concerning an item that is added to the Agenda during the meeting, please raise your hand during that item. Each speaker will be limited to no more than 3 minutes. The Mayor, as the presiding officer may, at his discretion, shorten the time limit for speakers when an unusually large number of persons have signed up to speak.

**AS A COURTESY, PLEASE TURN CELL PHONES
OFF WHILE MEETING IS IN PROGRESS**

Town of Huntersville
REQUEST FOR BOARD ACTION
4/17/2017

REVIEWED:

To: The Honorable Mayor and Board of Commissioners
From: Gerry Vincent, Interim Town Manager
Subject: Proposals - Ocular Melanoma

Consider approving proposals for investigative work/testing related to the uveal melanoma cancer cluster.

ACTION RECOMMENDED:

Approve Proposals

FINANCIAL IMPLICATIONS:

ATTACHMENTS:

	Description	Type
□	Proposal	Backup Material
□	Proposal	Backup Material

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Geodesy, Inc.
615 East Reeceville Road
Downingtown, PA 19335

March 22, 2017

Town of Huntersville
101 Huntersville-Concord Rd.
Huntersville, NC

Attention: Mr. Gerry Vincent, Town Council Manager

RE: Proposal to conduct a geospatial/epidemiological investigation into the uveal melanoma cancer cluster in the Huntersville Area.

Dear Gerry:

As requested by your community, it is my pleasure to provide this letter proposal/scope of services to conduct a geospatial investigation including scientific collaboration with epidemiologists from the University of North Carolina (UNC).

Geodesy, Inc. has several years of experience compiling data from numerous databases to support human health and ecological risk assessments. Risk assessments are predictive studies about the impact of environmental exposure scenarios, however, with the guidance of expert epidemiologists from UNC, an outcome based investigation is being proposed to seek the possible cause of this cancer cluster in the Huntersville community.

It is proposed that John Cassels, Principal Scientist at Geodesy, Inc. will be the spatial analyst for this investigation in collaboration with lead epidemiologist Dr. Andy Olshan, PhD. Dr. Olshan is the Chair of the UNC Epidemiology Department, Gillings School of Public Health. A brief resume and CV are attached.

During the first phase of this investigation, we intend to gathering geospatial data at the local, county and state levels, including but not limited to planimetric/cadastral base layers, current/historic aerial photography, current/historic land use, and numerous additional environmental thematic layers. Overlays of patient behavioral patterns and histories will be analyzed for spatial and temporal patterns within the study population.

A site visit is planned for the week of April 10, 2017 to gain an understanding of local conditions and gather additional location specific data. Locations will be based on direct observations, and interviews with local officials, historians, patients, and their support network. Initial collaboration with project epidemiologists will occur prior to the site visit to develop topics of discussion for pending interviews.

The second phase will begin with a thorough map review and consultation with Dr. Olshan to formulate further investigative direction and emphasis. This may include the need for more specific data collection efforts and perhaps additional field work to gather focused information from the patients, their families, the community, or local environment.

The third phase will include final map preparation of all data collected and report presentation of environmental/health facts found. A list of all references compiled during this investigation will be included. A town hall meeting will be requested to review the mapping prepared and reported finding to the community.

The following are the estimated levels of effort and cost for each Phase described above:

- Phase I – Data gathering and initial map preparation: assumes 68 technical labor hours and \$1,500 in travel related expenses – cost \$7,100
- Phase II – Map review and collaboration: assumes 32 technical labor hours with no expenses anticipated – cost \$2,720
- Phase III – Final mapping/reporting, and on-site presentation: assumes 49 technical labor hours including prep, travel expenses, and presentation – cost \$4,780.

Expenses are estimated to include travel to the Huntersville area during the initial site visit and the follow up trip to report findings. It is assumed that actual direct expenses will be reimbursed at a rate of 1.0. Billing rates proposed included:

Spatial Analyst - \$80.00/technical labor hour

Epidemiologist - \$100.00/technical labor hour

Total cost (Labor and Expenses) \$14,600

Thank you for the opportunity to provide this proposal to the Town of Huntersville. If you have any questions, please give me a call at (610) 384-4678.

Best Regards,
GEODESY, INC.



John Cassels
President

Qualifications Summary

- Thirty-three years of experience conducting environmental investigations in aquatic, marine, and terrestrial ecosystems.
- Career began as a research assistant at the Academy of Natural Sciences of Philadelphia studying natural lakes in northeastern Pennsylvania. Later began to concentrate on water resource investigations primarily storm water management/planning and risk assessment projects where digital information management skills were acquired.
- Experienced in all aspects in aquatic ecological investigations beginning with project planning/design to field coordination, data collection, management, and presentation, technical report writing, Geographic Information Systems (GIS) development, database analysis and cartographic presentation.
- Use of geo-referenced digital photography and digital video documentation during field investigations.
- Recent Certificates received from the Emergency Management Institute upon completion of ICS-100, Introduction to the Incident Command System and ICS-200, ICS for single Resources and Initial Action Incidents.

John W. Cassels

Fields of Competence

Environmental investigations, including terrestrial, aquatic, and marine habitats, ecological surveys, hydrologic, and hydrographic surveys, Geographic Information Systems (GIS), Global Positioning Systems (GPS) Computer Aided Design (CAD) and geo-spatial modeling.

Credentials

- Graduate Certificate, GIST, Penn State University
- B.Sc., Biology, East Stroudsburg State College
- B.Sc., Marine Science, East Stroudsburg State College
- Emergency Management Institute Certificates including, ICS-100 Introduction to the Incident Command System and ICS-200, ICS for single Resources and Initial Action Incidents. IS-00700.a National Incident Management System (NIMS)
- OSHA 40-h Health and Safety Training, /8-h annual refresher.
- US Coast Guard Safe Boating Certificate
- NAUI and YMCA Certified SCUBA

Employment History

1998-Present	Geodesy, Inc.
1997-1998	Cahill Associates
1986-1997	Roy F. Weston, Inc.
1983-1985	Academy of Natural Sciences of Philadelphia

Municipal Planning History (West Brandywine Twp., PA)

2016 – Present	Township Board of Supervisors - Member
2013-2014	Municipal Authority Board Member – Secretary
2006-2014	Open Space Review Board, Chairman 2006-2010
2005	Comprehensive Plan Update Committee
2004	Act 209 Committee
2000-2014	Planning Commission Member, Chairman 2003-2004.

Key Projects

Waterway Debris Removal Project, New Jersey Department of the Treasury, Division of Purchase and Property April-August, 2013. In the wake of Superstorm Sandy, provided geo-processing support using sidescan sonar data collected by several marine survey firms to identify subsurface contacts (debris) which may pose a threat to boater safety in New Jersey coastal waterways. Reports generated daily providing contact target location information and area coverage to marine salvage firms tasked with target removal. GIS support provided for Zones 1, 2, 8, 9, and 10, covering nearly 50,000 acres of coastal waterways.

KEY PROJECTS (CONTINUED)

BP Gulf Oil Spill Response, USEPA/START-Region 6, June-October 2010. Provided GIS and Data Management support for EPA at the Incident Command Center (ICC) located in Houma, LA, and later at the Unified Area Command (UAC) in New Orleans, LA. Support included management and upload to EPA Scribe database, oceanographic data collected by NOAA and BP vessels during Subsurface Monitoring Unit (SMU) operations. Provided GIS and data assessment support to NOAA/USCG for the Special Monitoring of Applied Response Technologies (SMART) program, including dispersant test vessel data analysis and GIS summary presentations which helped document the effectiveness of vessel and aerial application of dispersants. Tracked daily operations of EPA's response operations including water, sediment, and air monitoring efforts throughout the region.

USACE New England District, PCB Contamination of the Housatonic River, OU2, Pittsfield, MA Geographic Information Manager, 1999- present. Managed GIS overseeing all aspects of project spatial data for several key EPA contractor user groups, including ecological and human health risk assessors, ecologists, hydrologist, geomorphologists, modelers, remedial design, and construction engineers. Led a team of GIS specialists to ensure all spatial data were collected, analyzed, and presented in the most efficient, accurate means available to support one of the largest environmental assessments undertaken by the USEPA. Efficiency was gained through the development of a robust map request and delivery system over a secure internet connection, cutting the time required to get maps on the table in a remote field office from days to hours and sometimes minutes. Developed an interactive application used to simulate remediation by calculating Exposure Point Concentration (EPCs) on the fly for comparison with Interim Media Protection Goals (IMPGs) specified as Human Health Risk Targets for a given Exposure Unit. The tool allows for avoidance of sensitive habitats and selective removal of contaminated soil to achieve remedial goals as well as providing estimates of removal volume.

Wind Energy Development Site Selection Tool, Confidential Client. Developed a spatial model to analyze statewide GIS data layers to reveal specific areas within a given state which have the highest wind capacity and power price potential projected over a period years, excluding sensitive areas due to the nature of land use, ownership, and protective status. Results allow the alternative energy developer to focus efforts on highest priority areas with minimal impact on sensitive areas. Separate models and analysis were conducted for the several States including Pennsylvania, New York, Massachusetts, Maine, Kansas, West Virginia, and Ohio. Results provided the top ten locations within each State with maximum potential for wind generation.

USACE Philadelphia District, Aberdeen Proving Grounds, Canal Creek Spatial Weighting Task, Aberdeen, MD. Using various interpolation methods, spatially weighted average concentrations for eight contaminants of potential concern (COPC) were calculated for all stream reaches and wetland areas within a 123-acre tidal marsh. Geo-statistics were used to understand the extent of contamination and compute volume and mass estimates as part of a site remediation Feasibility Study.

Important Mammal Areas of Pennsylvania (IMAP). Geo-Spatial data analysis used in preparation of IMAP Stewardship Plans and Conservation Assessments for several IMAP locations, including the Hopewell Big Woods, Delaware State Forest, Delaware Water Gap/ Pocono Education Center, Cherry Valley Watershed, and the Laurel Highlands of PA. Analysis of land cover type, sensitive/protected area mapping, and environmental inventories were compiled, summarized and presented for planning purposes. Field surveys were conducted with an innovative vehicle mounted GPS link and real time GIS data access which provided efficient use of field investigation efforts.

USACE, New England District, AE services for HTRW/MEC Projects. GIS support for Hazardous, Toxic and Radioactive Waste (HTRW) and Munitions and Explosives Concerns (MEC) projects for the US Army Corps of Engineers at various locations in the North Atlantic Division, including the former Raritan Arsenal, Raritan, NJ., LO-58-Former NIKE Missile Site, Caribou, ME., UST Sites 1 and 2- Former Dow AFB, Bangor, ME., and the Hingham Former Burning Grounds, Hingham, MA.

KEY PROJECTS (CONTINUED)

Pennsylvania Act 537 Plan Preparation GIS Support Services. Working as a sub-contractor to the Township Engineer in numerous municipalities including East Nottingham, East Fallowfield, New London, Upper Oxford, Brecknock, Upper Salford, Sadsbury, West Brandywine, and South Heidelberg Townships, prepared environmental resource maps and spatial analysis, as well as, service area, system infrastructure, and soil suitability mapping for the draft review and final Act 537 Plan documents.

MS4 Stormwater Support Services for Municipalities. Working as a sub-contractor to the Township Engineer in several municipalities including Honey Brook, Avondale, Penn, New London, London Grove, Earl, Hereford, Upper Salford, East Fallowfield, West Brandywine, and Upper Oxford Townships, provided Phase I and II support, including annual report preparation, TMDL analysis, outfall and other infrastructure mapping and attribution.

Comprehensive Plan Preparation GIS Support Services. Working as a sub-contractor to the Township Engineer in New London, East Nottingham, Earl, and Upper Oxford Townships, developed environmental, cultural, scenic and historic resource inventory maps, including composite and priority resources overlay map preparations and spatial analysis for draft review and final Comprehensive Plan documents.

Open Space, Recreation, and Environmental Resources Plan Development Services. Several municipalities including Lower Oxford, Birmingham, Upper Oxford, West Nottingham, and New London Townships located in Chester County, Pennsylvania. Managed staff members towards the development of an extensive GIS which included land, water, biotic, scenic, historic, and cultural resources, in addition to flooding, zoning, land use, and other administrative boundary information. Thematic layers were prioritized and overlaid to identify suitability and priorities to aid in decision-making for open space preservation and future development.

Androscogen River, NH Fish Tissue Sampling Program - USEPA. Conducted a field sampling effort to during the summer 2009 to collect fish tissue for laboratory analysis to support on-going investigations by USEPA of the Chlor-Alkali Site located in Berlin New Hampshire.

Ely Copper Mine Site Small Mammal Study- USEPA. Assisted in a small mammal and terrestrial invertebrate sampling effort to collect small mammal and insect tissue samples for laboratory analysis to support ecological risk assessments for the historic copper mine site located in eastern Vermont.

Elizabeth River Oyster and Crab Study, USEPA. Conducted a multi-year study to assess the effects on the growth rate and uptake of organic chemicals in oyster and blue crab in the lower Chesapeake Bay. The study included sampling natural oyster and crab populations to assess chemical levels found in edible tissues as well as deployment and recovery of a several sets of live oysters caged for specific periods of time to gauge contaminant uptake over time.

Kensico Reservoir Water Quality Control Program, New York City Department of Environmental Protection. Developed/managed a GIS to support a comprehensive water quality investigation to manage future water supply for the City of New York. GIS support impact analysis of various storm water BMP alternatives as well as provide SWMM modeling input for design purposes. An interactive GIS application was developed to illustrate how retrofit BMPs could reduce the impact of land use change in watersheds. The application allows “what if” scenarios following a display of base conditions. After the user selects an area and changes the land use, the SWMM model is run with results returned in terms of increased runoff and contaminant loads. The user then chooses from a list of BMPs and places them strategically in the watershed, which is followed by the SWMM model run with results to illustrate just how effective the BMP can mitigate the impact of the land use change.

CURRICULUM VITAE

ANDREW F. OLSHAN

March 10, 2017

DATE & PLACE OF BIRTH: December 14, 1955; Melrose, Massachusetts

BUSINESS ADDRESS: Department of Epidemiology
Gillings School of Global Public Health
McGavran-Greenberg Hall, CB #7400
University of North Carolina
Chapel Hill, NC 27599-7400
(919) 966-7424
andy_olschan@unc.edu

EDUCATION:

1973-78	Arizona State University Tempe, Arizona	B.A. Anthropology, August 12, 1978
1981-82	University of Washington Seattle, Washington	M.S. Epidemiology, August 20, 1982
1982-87	University of Washington Seattle, Washington	Ph.D. Epidemiology, December 17, 1987
1987-89	University of British Columbia Vancouver, British Columbia	Postdoctoral Fellow Medical Genetics

APPOINTMENTS AND POSITIONS:

1981-88	Research Associate Division of Public Health Sciences The Fred Hutchinson Cancer Center Seattle, Washington
1989-91	Assistant Professor Department of Clinical Epidemiology and Preventive Medicine School of Medicine University of Pittsburgh
1990-91	Assistant Professor Department of Human Genetics

	Graduate School of Public Health University of Pittsburgh
1989-91	Affiliate Member Pittsburgh Cancer Institute
1991-1996	Assistant Professor Department of Epidemiology School of Public Health University of North Carolina
1996- 2001	Associate Professor Department of Epidemiology School of Public Health University of North Carolina
1992-Present	Fellow, Carolina Population Center University of North Carolina
1992-Present	Member, Lineberger Comprehensive Cancer Center University of North Carolina
1994- 1997	Research Assistant Professor Department of Surgery School of Medicine University of North Carolina
1998	Visiting Scientist Occupational Epidemiology Branch National Cancer Institute
1998- Present	Leader, Cancer Epidemiology Program Lineberger Comprehensive Cancer Center University of North Carolina
2000-Present	Member, UNC Center for Environmental Health and Susceptibility
2000-Present	Internal Advisory Committee, UNC Center for Environmental Health and Susceptibility
2001- Present	Professor Department of Epidemiology School of Public Health University of North Carolina
2001- Present	Professor Department of Otolaryngology/Head and Neck Surgery School of Medicine University of North Carolina

2006-Present	Chair Department of Epidemiology School of Public Health University of North Carolina, Chapel Hill
2009-2012	Associate Director for Population Sciences (Interim) UNC Lineberger Comprehensive Cancer Center
2012-Present	Associate Director for Population Sciences UNC Lineberger Comprehensive Cancer Center
2014-Present	Barbara Sorenson Hulka Distinguished Professor of Cancer Epidemiology

HONORS AND AWARDS:

1975	One of three finalists for Juan Comas Award for the best student paper presented at the 44th Annual Meeting of the American Association of Physical Anthropologists, Denver.
1985	Invited participant, Society for Epidemiologic Research Student Workshop, Chapel Hill, North Carolina.
1999	Delta Omega Public Health Honor Society.

ACTIVITIES:

International/ National/ Community Committees

1984-1987	Chairman, Case-Control Study of Wilms' Tumor, Childrens Cancer Study Group, Pediatric Oncology Group.
1990-1996	Chairman, Case-Control Study of Neuroblastoma, Childrens Cancer Study Group, Pediatric Oncology Group.
1989-1990	Member, NCI Working Group, Epidemiology of Multiple Myeloma and Black/White Risk Factors.
1991-1993	Chairman, Working Group, International Commission for Protection Against Environmental Mutagens and Carcinogens, Genetic Effects of Cyclosporin A.
1991-1992	Co-Chairman, International Conference on Male-Mediated Developmental Toxicity, Pittsburgh, PA, September 16-19, 1992.
1994	Member, State of North Carolina Advisory Committee on Birth Defects Surveillance.

- 1994 Member, Organizing Committee, Preventing Birth Defects in North Carolina: Making Folic Acid Work. A Statewide Conference and Workshop on Preventing Neural Tube Defects. May 19, 1995, Raleigh, NC.
- 1995- 1996 Member, Committee to Study the Feasibility of, and Need for, Epidemiologic Studies of Adverse Reproductive Outcomes in Families of Military Personnel Present at Atmospheric Tests of Nuclear Weapons. Institute of Medicine, National Academy of Sciences.
- 1992 Member, Committees to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides. Institute of Medicine, National Academy of Sciences.
- 1996 Member, Committees to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides. Institute of Medicine, National Academy of Sciences.
- 1998 Member, Committees to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides. Institute of Medicine, National Academy of Sciences.
- 1999 Member, External Peer Review Committee, Environmental Protection Agency, Toxicological Review for Cadmium and Compounds.
- 1999- 2000 Member, Committee to Review the Evidence Regarding Link Between Exposure Agent Orange and Diabetes. Institute of Medicine, National Academy of Sciences.
- 2000-2004 Member, Epidemiology Steering Committee, Children's Oncology Group.
- 2000-2003 External Advisory Committee, University of Washington Superfund Basic Research Program, "Effects-Related Biomarkers of Toxic Exposures", H. Checkoway, PI, P42ES4696ZES1.
- 2000- 2001 Chair, Meeting Organizing Committee, Lineberger Cancer Center/NIEHS Conference: Gene-Environment Interaction and Cancer Risk: The Role of DNA Repair. March 12-13, 2001.
- 2000- 2001 Member, Organizing Committee, Second International Conference on Male-Mediated Developmental Toxicity, June, 2001.
- 2001 Expert Panel On Reproductive and Developmental Toxicity of 1-Bromopropane and 2-Bromopropane. Center for the Evaluation of Risks to Human Reproduction. National Toxicology Program.
- 2001 Member, Gene-Environment Interaction Working Group. Longitudinal Cohort Study of Environmental Effects on Child Health and Development.

2002	Member, External Advisory Committee, Oral Cancer Center, University of Pittsburgh.
2003-2010	Member, External Advisory Board, MD Anderson Cancer Center, Head and Neck Cancer SPORE.
2004-2010	Co-Chair, Epidemiology Steering Committee, Children's Oncology Group.
2004-2009	Member, Board of Scientific Counselors, Subcommittee-1, National Cancer Institute.
2004-2008	Member, Scientific Committee, International Society of Paediatric Oncology
2005	Expert Panel Reproductive and Developmental Toxicity of Styrene. Center for the Evaluation of Risks to Human Reproduction. National Toxicology Program.
2005	Member, Informal Population Sciences Biorepository Advisory Group, National Cancer Institute.
2005-2009	Member, External Advisory Board, Duke University Brain Tumor SPORE.
2005-Present	Member, External Advisory Board, University of Pittsburgh Head and Neck Cancer SPORE.
2006-2009	Member, Committee on Contaminated Drinking Water at Camp Lejeune. National Research Council.
2009	Member, Search Committee, Associate Director, Epidemiology and Genetics Research Program, Division of Cancer Control and Population Sciences, National Cancer Institute.
2009	Member, Search Committee, Director, Environmental Public Health Division, National Health and Environmental Effects Research Laboratory, U.S. Environmental Protection Agency.
2009-2012	Member at Large, Board, Society for Epidemiologic Research
2010	Ad-Hoc Reviewer, National Toxicology Program, Board of Scientific Counselors Meeting
2010-2011	Vice-Chair, Committee to Review the Draft IRIS Assessment of Formaldehyde, National Research Council
2010-Present	External Advisory Committee, Translational Epidemiology Research Training program, University of Minnesota.

2012	MURDOCK Study Epidemiology Advisory Board, Duke University
2013-Present	External Advisory Committee, Cancer T32 Training Grant, Columbia University
2013-Present	External Advisory Committee, Vanderbilt Training Program in Molecular and Genetic Epidemiology of Cancer
2013	Ad-Hoc Member, NIEHS Tenure Review Committee
2014	Member, Qualification Review Board, Editor-In-Chief, <i>Environmental Health Perspectives</i> .
2014-	External Advisory Committee, Ohio State University Comprehensive Cancer Center.
2015	Chair, Peer Review Panel for the Draft Report on Carcinogens Monograph on Selected Viruses. National Toxicology Program, December 17, 2015.
2017	Member, Committees to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides. Eleventh Biennial Update. Institute of Medicine, National Academy of Sciences. Final Approval Pending.

University Committees

1991-1993	Doctoral Program Committee Department of Epidemiology
1993	Admissions Committee Department of Epidemiology
1993	Information Systems Committee Department of Epidemiology
1993- 1998	Advisor, Department Newsletter Department of Epidemiology
1994	Member, Task Group on Tenure and Promotion Department of Epidemiology
1994-1996	Curriculum Committee Department of Epidemiology
1996- 2006	Graduate Studies Committee Department of Epidemiology
1997-2006	Chair, Curriculum Subcommittee

Department of Epidemiology

1998-1999 Chair, Cancer Faculty Search Committee
Department of Epidemiology

1998 Member, Health Sciences Library Committee
School of Public Health

1998- Program Head, Cancer Epidemiology
Department of Epidemiology

1999-2001 Chair, Cancer Faculty Search Committee
Department of Epidemiology

1999,2000 Southard Award Committee
School of Public Health

1999 Delta Omega Award Committee
School of Public Health

2000 Greenberg Award Committee
School of Public Health

2002-2006 Space Committee
School of Public Health

2002-2003 Appointment, Promotion, and Tenure Committee
School of Public Health

2003-2005 Chair, Appointment, Promotion, and Tenure Committee
School of Public Health

2005-2006 Chair, Department of Biostatistics Chair Search Committee
School of Public Health

2006- Member, Sheps Center Policy Board

2007 Member, Center for Women's Health Research Director Search
Committee

2007 Member, ad hoc committee to review Center Director (H. Shelton Earp)

2008 Chair, UNC Lineberger Comprehensive Cancer Center Associate
Director Search Committee

2009- Leader, University Cancer Research Fund Population Sciences Theme
Team

2009- Member, Research Computing Coordinating Committee, University of
North Carolina

2009-2013	CTSA/NC TraCS Institute Translational Research Advisory Board
2010	CTSA/NC TraCS Institute Education Core Interdisciplinary Advisory Committee
2011	UNC Health Informatics Taskforce
2012-	UNC Health Informatics Program Steering Committee
2016-2017	Member, Search Committee, Director, Carolina Population Center

Teaching

1981-86	EPI 513 Epidemiologic Methods, University of Washington (Teaching Assistant)
1989-90	Clinical Epidemiology, School of Medicine, University of Pittsburgh (Instructor)
1994-1997	EPID268, Theory and Quantitative Methods in Epidemiology (Co-Instructor)
1992-	EPID 851 Reproductive and Perinatal Epidemiology (Lead Instructor, 1993-2005, 2014)
2006-	EPID775 Advanced Cancer Epidemiology
2007-2009	EPID690 Integrating Biomarkers in Population-based Research (Lead Instructor)

Theses and Dissertations

Masters Theses (Major Advisor)

- 1993 Gwenevere C. McIntosh: Paternal Age and the Risk of Birth Defects.
- 1993 Susan E. Carozza: Maternal Exposure to N-nitrosatable Drugs as a Risk Factor for Childhood Brain Tumors.
- 1994 External Examiner, McGill University, Department of Epidemiology and Biostatistics: C. Sharpe: Risk Factors for Wilms' tumor: analysis of a case-control study.
- 1995 Michael McMahon: The Risk of Vaginal Birth After Previous Cesarean.
- 1998 Qinghong Yang: Parental Smoking and Alcohol Consumption and Risk of Neuroblastoma.
- 1998 Michael Cook: Prenatal Medication Use and the Risk of Childhood Cancer: A Review of Epidemiologic Studies.

- 2000 Juliet Hatcher: Multiple Myeloma and Diagnostic Radiation Among Blacks and Whites in the United States.
- 2001 Tara Patton: Parental Exposure to Medical Radiation and Neuroblastoma in Offspring.
- 2001 Mia Gaudet: Diet, Polymorphisms of GSTM1 and GSTT1 and Incidence of Head and Neck Cancer.
- 2003 Katrina Trivers: Demographic and Lifestyle Predictors of Survival in Patients with Esophageal or Gastric Cancers.
- 2004 Elizabeth Bluhm: Maternal Use of Recreational Drugs and Neuroblastoma in Offspring.
- 2004 Erin McCall: Maternal Hair Dye Use and Neuroblastoma.
- 2004 Muge Calikoglu: Polymorphisms of Methylenetetrahydrofolate reductase (MTHFR), Preconceptional Multivitamin Use and Risk of Preterm delivery
- 2005 Stephanie Saddlemire: Breastfeeding and Wilms tumor.
- 2007 Jonathan George: XRCC1 polymorphisms, dietary folate intake, and risk of squamous cell carcinoma of the head and neck.
- 2008 Jennifer Slickers: Maternal body mass index and lifestyle exposures affect the risk of bilateral renal agenesis or hypoplasia.
- 2008 Brian Feldman: Maternal perinatal vitamin and mineral supplementation and the risk of Wilms in offspring.
- 2008 Ruchika Goel: Maternal exposure to medical radiation and Wilms tumor in the offspring: A report from the Children's Oncology Group.
- 2015 Determinants of contagious mastitis in organic and conventional dairy herds in North Carolina.

Doctoral Dissertations (Major Academic Advisor)

- 1994 Patricia G. Schnitzer: Paternal Occupation and the Risk of Birth Defects in Offspring.
- 1996 Susan Lief: Maternal Cigarette Smoking During Pregnancy and Risk of Oral Facial Clefts in Newborns.
- 1998 Samuel Arbes: Factors Contributing to the Racial Differences in Survival from Oral Cancer.
- 1999 Jane Schroeder: Epidemiology of t(14;18) non-Hodgkin's lymphoma.

- 1999 Julie Daniels: Occupational and Residential Pesticide Exposure and Risk of Neuroblastoma.
- 1999 Anneclaire De Roos: Parental Occupational Exposures and the Incidence of Neuroblastoma in Offspring.
- 2001 Michael Cook: Maternal and Paternal Medication Use and Neuroblastoma in the Offspring.
- 2001 Garth Rauscher: Family Histories of Cancer and Joint Contribution with Exposures in the Incidence of Acute Leukemia in Adults
- 2001 Stacy Geisler: Survival and Squamous Cell Carcinoma of the Head and Neck.
- 2002 Edwin van Wijngaarden: Parental Occupational Exposures and Childhood Brain Tumors.
- 2003 Stephanie Mulherin Engel: Genetic Variation in Pro- and Anti-Inflammatory Cytokines and Risk of Preterm Birth and Small-for-Gestational Age.
- 2005 Suzanne Gilboa: Seven County Study of Air Quality and Birth Defects, Texas, 1997-2000.
- 2006 Martha Felini: Reproductive Factors and DNA Repair Polymorphisms XRCC1 and MGMT Associated with Adult-Onset Gliomas.
- 2009 Reem Hasan: Vaginal bleeding in early pregnancy: patterns, predictors, and association with miscarriage.
- 2009 Jessica Lazenby: Preconception and Prenatal Maternal Caffeine Consumption and Diagnosis of Wilms Tumor in Offspring: Results from a North American Case-Control Study.
- 2009 Shannon Laughlin: Elimination and Size Reduction of Fibroids During Pregnancy and Postpartum Uterine Remodeling.
- 2010 Sharon Myers: Pesticide Use and Uterine Leiomyoma Prevalence Among Farm Women: An Analysis of the Agricultural Health Study with Assessment of Outcome Misclassification.
- 2011 Tania Desrosiers: Maternal Occupational Exposure to Organic Solvents During Pregnancy and Selected Congenital Anomalies Among Offspring.
- 2011 Anne Hakenewerth: Joint Effects of Alcohol Consumption and Polymorphisms in Alcohol and Oxidative Stress Metabolism Genes on Risk and Survival from Head and Neck Cancer.
- 2012 Kimon Divaris: Exploring the Genetic Basis of Chronic Periodontitis: A Genome-Wide Approach.

- 2013 Annah Wyss: Single Nucleotide Polymorphisms in Nucleotide Excision Repair Genes and Head and Neck Cancer Risk and Outcomes.
- 2013 Jeannette Stingone: Maternal Exposure to Criteria Air Pollutants During Early Pregnancy and Congenital Heart Defects in Offspring.
- 2013 Nicholas Taylor: Common Genetic Variation in Cell Cycle Regulatory Genes and Etiology of Intrinsic Breast Cancer Subtype: A Candidate Gene Approach.
- 2014 Leila Family: Associations Between Genetic polymorphisms in DNA bypass polymerases and base excision repair genes with the risk of breast cancer.
- 2016 Saira Khan: Diabetes and Prostate Cancer Aggressiveness at Diagnosis and Progression in White Americans and Black Americans from the North Carolina-Louisiana Prostate Cancer project (PCaP).
- 2016 Angela Liu Mazul: Single Nucleotide Polymorphisms in Vitamin A, Folate and Choline Related Genes and Interaction with Maternal Vitamin Intake and Neuroblastoma.

External Dissertation Reader

- 2003 Kimberly Perez: Urogenital and Reproductive Outcomes in Men Prenatally Exposed to Diethylstilbesterol. Department of Social and Preventive Medicine. State University of New York at Buffalo.

Journal Refereeing

American Journal of Epidemiology
 American Journal of Industrial Medicine
 American Journal of Obstetrics and Gynecology
 Annals of Oncology
 Biomarkers
 BMC Cancer
 BMC Medical Research Methodology
 British Journal of Cancer
 Cancer
 Cancer Causes & Control
 Cancer Epidemiology, Prevention, & Biomarkers
 Cancer Letters
 Cancer Research
 Cleft Palate-Craniofacial Journal
 Clinical Cancer Research
 Pharmacoepidemiology and Drug Safety
 Epidemiology
 The European Journal of Cancer
 European Journal of Oral Sciences
 FASEB
 Fertility and Sterility

Genetic Epidemiology
Head & Neck
International Journal of Cancer
International Journal of Epidemiology
Journal of Andrology
Journal of the National Cancer Institute
Journal of Clinical Oncology
Journal of Pediatrics
Medical and Pediatric Oncology
Nutrition and Cancer
Oral Diseases
Paediatric & Perinatal Epidemiology
Pediatric Blood & Cancer
Pediatric Hematology and Oncology
Pharmacogenetics
Reproductive Toxicology
Teratology
Xenobiotica

Editorial

Editorial Board, Cancer Causes and Control, 2003-
Associate Editor, American Journal of Epidemiology, 2004-2014
Associate Editor, Cancer Research, 2004-2010
Associate Editor, International Journal of Molecular Epidemiology and Genetics, 2009-
Editorial Board, Cancer Medicine, 2012-
Senior Editorial Board, Epidemiology, 2013-
Editor-in Chief, Current Epidemiology Reports, 2013-

Other Reviewing

2002: Institute of Medicine, National Academy of Sciences: "Veterans and Agent Orange. Herbicide/Dioxin Exposure and Acute Myelogenous Leukemia in the Children of Vietnam Veterans. National Academy Press, 2002.

2002: Institute of Medicine, National Academy of Sciences: "A Literature Review of Pesticides and Solvents. Committee on Gulf War and Health. National Academy Press, 2003.

2010: Centers for Disease Control and Prevention: "The Health Consequences of Smoking and Involuntary Exposure to Tobacco Smoke: An Update." Chapter on "Tobacco Exposure and Congenital Defects".

2013: Chapter Reviewer, U.S. Department of Health and Human Services. The Health Consequences of Smoking —50 Years of Progress: A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014.

Evaluation of Faculty for Promotion

Duke University
 Emory University
 Fred Hutchinson Cancer Research Center
 Georgetown University
 Harvard University
 Indian Statistical Institute
 John Hopkins University
 MD Anderson Cancer Center
 National Institute of Environmental Health Sciences
 Stanford University
 State University of New York, Buffalo
 Tufts University
 University of Alabama, Birmingham
 University of British Columbia
 University of California, Berkeley
 University of California, Los Angeles
 University of Michigan
 University of Minnesota
 University of Pennsylvania
 University of Pittsburgh
 University of Rochester
 University of South Carolina
 University of Utah

Grant and Program Review

1993-1996	National Cancer Institute of Canada Review Committee, Standing Member
1994-1996	National Cancer Institute, Ad-Hoc Review.
1995	National Institute of Environmental Health Sciences, Center Grant Site Visit.
1997	National Institute of Environmental Health Sciences, Chair, R03 Special Review Committee.
1999	Grant review committee, National Cancer Institute of Canada RFP, Cancer Etiologic Research, Toronto, September 13, 1999.
2000	National Institutes of Health, Epidemiology and Disease Control-2 (EDC-2), Special Emphasis Panel, ZRG1 (03), Chair, April 7, 2000.
2000	Site Visit Team Member, Division of Epidemiology, Statistics and Prevention Research, National Institute of Child Health and Human Development, December 4-6, 2000.
1997- 2001	National Institutes of Health, Epidemiology and Disease Control-2 (EDC-2) Study Section, Regular Member.

- 2002 Epidemiology Study Section Committee, Tobacco-Related Disease Research Program, May 18-19, 2002.
- 2003 National Institutes of Health, SNEM-5 Study Section.
- 2003 National Institutes of Health, RFA: "Long Term Cancer Survivors" Review Committee.
- 2004 National Cancer Institute, Program Project: "New Approaches to the Biology of MDS". MD Anderson Cancer Center, Initial Review Group.
- 2004 National Cancer Institute, Program Project: "Childhood Brain Tumors: Biologic and Environmental Risks". University of California, Berkeley, Initial Review Group.
- 2007 CDC Risk Factors for Birth Defects Special Emphasis Panel.
- 2008- Alex's Lemonade Stand Foundation for Childhood Cancer.
- 2008 Children with Leukaemia Foundation.
- 2008 Site Visit Team Member, NICHD, Division of Epidemiology, Statistics and Prevention Research, National Institute of Child Health and Human Development, September 24-26, 2008.
- 2010 Site Visit Team Member, NCI, New Mexico Cancer Center, February 25, 2010.
- 2011 Ad Hoc Member, NCI-F Review Subcommittee on Manpower and Training, February 22-23, 2011
- 2011 Ad Hoc Member, NIH, Special Emphasis Panel, ZRG1 PSE-D (03)
- 2012 Site Visit Team Member, NCI, City of Hope Cancer Center, May 22, 2012
- 2013 Site Visit Team Member, NCI, Mayo Clinic Cancer Center, December 3, 2013

PROFESSIONAL ORGANIZATIONS

- 1984- Present Society for Epidemiologic Research
- 1986- Present Teratology Society
- 1988- Present International Society of Pediatric Oncology
- 2002- Present International Society for Environmental Epidemiology
- 2003- Present American Association for Cancer Research
- 2005- Present Society for Pediatric and Perinatal Epidemiology
- 2009- 2014 American Epidemiological Society
- 2013- Present American Society of Preventive Oncology

GRANT SUPPORT:

(Total Costs Indicated)

- 1984-1985 Institutional Cancer Grant IN-26Y from the American Cancer Society. University of Washington, Principal Investigator (Graduate Student Research).
- 1984-1985 Training Grant, National Cancer Institute, Cancer Epidemiology and Biostatistics.
- 1984-1986 Co-Investigator: A Case-Control Study of Risk Factors for Wilms' Tumor. Research Grant from the March of Dimes Birth Defects Foundation. (N. Breslow, Principal Investigator).
- 1986 Predoctoral Stipend, Charles A. Dana Foundation Grant for Program in Genetics and Environmental Health (A.G. Motulsky, Director).
- 1986-1988 Co-Investigator: Paternal Occupation and Birth Defects in Offspring. Research Grant from the March of Dimes Birth Defects Foundation. (P.A. Baird, Principal Investigator).
- 1986-1988 Co-Investigator: Paternal Occupation and Birth Defects in Offspring. Research Grant from the B.C. Health Care Research Foundation. (P.A. Baird, Principal Investigator).
- 1991 Principal Investigator: An Ecogenetic Study of Head and Neck Cancer, Biomedical Research Support Grant, School of Medicine, University of Pittsburgh.
- 1991-1997 Principal Investigator: A Case-Control Study of Risk Factors for Neuroblastoma, R01 CA 57004, N.I.H.
- 1992-1993 Co-Principal Investigator: The Role of Diet in the Etiology of Head and Neck Cancer. Institute of Nutrition Grant, University of North Carolina.
- 1992 Co-Principal Investigator: International Conference on Male-Mediated Developmental Toxicity, CA 58438, N.I.H.
- 1993-1994 Principal Investigator: Paternal Occupation and Risk of Birth Defects in Offspring. Research Grant from the March of Dimes Birth Defects Foundation.
- 1993-1998 Principal Investigator: Carcinogen Metabolizing Enzymes and Head and Neck Cancer, R01 CA61188, N.I.H.
- 1993-1996 Co-Investigator: Study of Multiple Myeloma Among Workers Exposed to Ionizing Radiation and Other Physical and Chemical Agents. Centers for Disease Control. (S. Wing, Principal Investigator).
- 1994-1995 Principal Investigator: The Role of Human Papillomavirus in the Etiology of Head and Neck Cancer: A Molecular Epidemiology Study. Lineberger

Comprehensive Cancer Center, Cancer Prevention and Control and Cancer Epidemiology Research Award, University of North Carolina.

- 1996-1998 Principal Investigator: Epidemiology of t(14;18) in Non-Hodgkin's Lymphoma R03CA71617, N.I.H.
- 1992-1998 Co-Investigator: Research to Advance Environmental Epidemiology: Improving the Use of Human Data in Risk Assessment. CR820076, U.S. EPA. (D. Savitz, Principal Investigator).
- 1997-1998 Principal Investigator: A Case Control Study of Risk Factors for Wilms Tumor. R55 CA75385, Shannon Award, N.I.H.
- 1997-1998 Co-Investigator: Epidemiology of Clubfoot. R01HD28779, N.I.H. (B. Alderman, Principal Investigator).
- 1997-2002 Co-Investigator: Epidemiology of Down Syndrome and Down Syndrome-Leukemia. R01CA75169, N.I.H., (J. Ross, Principal Investigator).
- 1998-2004 Principal Investigator: A Case Control Study of Risk Factors for Wilms Tumor. R01 CA75385-01, N.I.H.
- 1999-2000 Co-Principal Investigator: A Multifactorial Study of Survival in Head and Neck Cancer. Oral & Maxillofacial Surgery Foundation.
- 1999-2015 Co-investigator. Cancer Center Core Support Grant – Program Leaders Cancer Center Core Support Grant – Rapid Case Ascertainment Core P30-CA1601866-30 (H. Earp, Principal Investigator).
- 2001-2011 Principal Investigator: Training Grant in Cancer Epidemiology. 2-T32-CA09330-21-26, N.I.H.
- 2000-2001 Principal Investigator: The Role of Folic Acid and Methylenetetrahydrofolate Reductase (MTHFR) Polymorphisms in Preterm Delivery in North Carolina. Institute of Nutrition, University of North Carolina.
- 2001-2010 Co-Investigator (Core Director, Developmental Susceptibility Research Core): UNC-CH Center for Environmental Health and Susceptibility. National Institute of Environmental Health Science, (J. Swenberg, Principal Investigator).
- 2001-2008 Principal Investigator: Gene-Environment Interaction in Head and Neck Cancer R01CA90731-01, NIH.
- 2001-2002 Principal Investigator: International Conference on Male Mediated Developmental Toxicity. 1-R13-HD/ES40801-01, NIH.
- 2001-2006 Principal Investigator: Drinking Water Disinfection By-Products and Male Reproductive Health: Semen Quality and Sperm Biomarkers. R-82932701-0 (Cooperative Agreement), US Environmental Protection Agency, \$500,000.

- 2003-2008 Co-Investigator (K. North, PI): Gene-by-smoking interaction and risk of atherosclerosis. NIH.
- 2006-2008 Co-Investigator (B. Entwisle, PI): Incorporating a Biomedical Perspective in Population-Based Research. R25 HD053765, N.I.H.
- 2007-2012 Principal Investigator: Quality of Life Among African-American Head and Neck Cancer Survivors. Lance Armstrong Foundation.
- 2007-2011 Co-Investigator (B. Entwisle, PI): Study Centers for the National Children's Study. HHSN267200700049C. NICHD.
- 2002- 2013 Principal Investigator: North Carolina Center for Birth Defects Research and Prevention. U50/CCU422096-01 (Cooperative Agreement) Centers for Disease Control.
- 2008-2013 Principal Investigator: Genetic Susceptibility Factors in the Etiology of Neuroblastoma. 1-R01-CA132887-01. NCI.
- 2008-2012 Co-Principal Investigator (A.M. Siega-Riz, PI): Training Program in Reproductive, Perinatal, and Pediatric Epidemiology. 5-T32-HD052468-02, NICHD.
- 2010-2013 Co-Investigator (R. Fry, PI): In utero to arsenic, links to epigenetic variation and disease. R01-ES019315, NIEHS.
- 2011-2013 Co-Investigator (A. Herring, PI): Bayesian Methods for High-Dimensional Epidemiologic Data. R01-ES020619, NIEHS.
- 2013-2017 Co-Principal Investigator (C. Ambrosone, PI): Epidemiology of Breast Cancer Subtypes in African American Women: A Consortium. P01CA151135, NCI.
- 2013- 2018 Principal Investigator: North Carolina Birth Defects Study To Evaluate Pregnancy Exposures (NC BDSTEPS). 1U01DD001036-01. (Cooperative Agreement) Centers for Disease Control.

PUBLICATIONS:

Book

Male-Mediated Developmental Toxicity, Editors: **AF Olshan** and DR Mattison, New York Plenum Press, 406 pp, 1994.

Epidemiology, Pathogenesis, and Prevention of Head and Neck Cancer. Editor: **AF Olshan**, Springer-Verlag, 2010.

Chapters and Other Publications

Olshan AF: Familial and Genetic Associations. In: Epidemiology and Biology of Multiple Myeloma, Editors: M. Potter and G.I. O Abrams, Berlin:Springer-Verlag, pp. 31-39, 1991.

Reproductive Effects, Chapter 9, In: Veterans and Agent Orange. Health Effects of Herbicides Used in Vietnam. National Academy Press, 1994.

Herrinton LJ, Weiss NS, **Olshan AF**. The Epidemiology of Multiple Myeloma. In: Myeloma, Editors: Bergsagel D, Kyle RA, Malpas JS, Oxford University Press, 1994.

Olshan AF and P. Schnitzer: Paternal Occupation and Birth Defects. In: Male-Mediated Developmental Toxicity, Editors: **AF Olshan** and DR Mattison, Plenum Press, 1994.

Herrinton LJ, Weiss NS, Koepsell TD, **Olshan AF**. Multiple Myeloma. In: Cancer Epidemiology and Prevention, Editors: D. Schottenfeld and JF Fraumeni, Oxford University Press, pp. 946-970, 1996.

Reproductive Effects, Chapter 9, In: Veterans and Agent Orange. Health Effects of Herbicides Used in Vietnam. National Academy Press, 1996.

Reproductive Effects, Chapter 9, In: Veterans and Agent Orange. Health Effects of Herbicides Used in Vietnam. National Academy Press, 1998.

Goodman MT, Gurney JG, Smith MA, **Olshan AF**. Sympathetic nervous system tumors. Chapter IV. In: Ries, LAG, Smith MA, Gurney JG, Linet M, Tamra T, Young JL, Bunin GR (eds). Cancer Incidence and Survival among Children and Adolescents: United States SEER Program 1975-1995, National Cancer Institute, SEER Program. NIH Pub. No. 00-4649. Bethesda, MD 1999.

Bernstein L, Linet M, Smith MA, **Olshan AF**. Renal Tumors. Chapter VI. In: Ries, LAG, Smith MA, Gurney JG, Linet M, Tamra T, Young JL, Bunin GR (eds). Cancer Incidence and Survival among Children and Adolescents: United States SEER Program 1975-1995, National Cancer Institute, SEER Program. NIH Pub. No. 00-4649. Bethesda, MD 1999.

Olshan AF, Anderson L, Roman E, Fear N, Wolff M, Whyatt R, Vu V, Diwan BA, Potischman N. Workshop to Identify Critical Windows of Exposure for Children's Health: Cancer Work Group Summary. Environ Health Perspect, 108 (Suppl 3):595-597, 2000.

Olshan AF and Bunin GR: Epidemiology of Neuroblastoma. In: Neuroblastoma. Brodeur GM, Sawada T, Tsuchida Y, Voute PA (Eds). Elsevier, Amsterdam, pp 33-39, 2000.

Olshan AF. Pesticides and Childhood Cancer: A Review and Perspective. Children's Environmental Health: What Role for the Federal Government? Congressional Research Service, 107-62, 2002.

Olshan AF and van Wijngaarden E : Paternal Occupation and Childhood Cancer.

In: Advances in Male Mediated Developmental Toxicity. Robaire B, Hales BF (Eds.) Plenum Press, 147-161, 2003.

Ward EM, Schulte, PA, Bayard S, Blair, A, Brandt-Rauf P, Butler MA, Dankovic D, Hubbs AF, Jones C, Karstadt M, Kedderis, GL, Melnick R, Redlich CA, Rothman N, Savage RE, Sprinker M, Toraason M, Weston A, (**Olshan AF**, Stewart P, Zahm SH, Contributors). Priorities for Development of Research Methods in Occupational Cancer. Environmental Health Perspectives, 111:1-12, 2003.

Boekelheide K, Darney SP, Daston GP, David RM, Luderer U, **Olshan AF**, Sanderson WT, Willhite CC, Woskie S. NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of 1-bromopropane. Reproductive Toxicology, 18:157-188, 2004.

Boekelheide K, Darney SP, Daston GP, David RM, Luderer U, **Olshan AF**, Sanderson WT, Willhite CC, Woskie S. NTP Center for the Evaluation of Risks to Human Reproduction Bromopropanes Expert Panel. NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of 2-bromopropane. Reproductive Toxicology, 18:189-217, 2004.

Olshan AF. Epidemiology. In: Neuroblastoma Cheung N-K V. and Cohn SL. (Eds.), Springer-Verlag Berlin, pp. 1-5, 2005.

Olshan AF. Laryngeal Cancer. In: Cancer Epidemiology and Prevention, 2nd Ed. D. Schottenfeld and JF Fraumeni (Eds.), Oxford University Press, 2006.

Fallon R, **Olshan A**, Saxman S. Chapter 13, Male Genital Tract Cancer. In: Bleyer A, O'Leary M, Barr R, Ries LAG (eds): Cancer Epidemiology in Older Adolescents and Young Adults 15 to 29 Years of Age, including SEER Incidence and Survival: 1975-2000. National Cancer Institute, NIH Pub. No. 06-5767. Bethesda, MD 2006.

O'Leary M, Sheaffer J, Finklestein J, **Olshan A**, Brown J. Female Genital Tract Cancer. In: Bleyer A, O'Leary M, Barr R, Ries LAG (eds): Cancer Epidemiology in Older Adolescents and Young Adults 15 to 29 Years of Age, including SEER Incidence and Survival: 1975-2000. National Cancer Institute, NIH Pub. No. 06-5767. Bethesda, MD 2006.

Luderer U, Collins TF, Daston GP, Fischer LJ, Gray RH, Mirer FE, **Olshan AF**, Setzer RW, Treinen KA, Vermeulen R. NTP-CERHR Expert Panel Report on the reproductive and developmental toxicity of styrene. Birth Defects Res B Dev Reprod Toxicol. 77:110-93, 2006.

Olshan AF. Meeting report: the use of newborn blood spots in environmental research: opportunities and challenges. Environ Health Perspect. 115:1767-79, 2007.

Book Reviews

Olshan AF. Review of "Molecular Dosimetry and Human Cancer" by J.D. Groopman and P.L. Skipper. American Journal of Epidemiology, 138:889-891, 1993.

Savitz DA, McMahon M, **Olshan AF**. Review of "Occupational and Environmental Reproductive Hazards: A Guide for Clinicians" by M. Paul. New England Journal of Medicine, 329:1588-1589, 1993.

Olshan AF. Review of “Mechanisms of Carcinogenesis: Contributions of Molecular Epidemiology” By P. Buffler, J. Rice, R. Baan, M. Bird, P. Boffetta. *Cancer Causes and Control*, 15:851-852, 2004.

Dissertation

A Case-Control Study of Risk Factors for Wilms' Tumor. 1987. Department of Epidemiology, University of Washington. Chairperson of Supervisory Committee: Janet R. Daling, Ph.D.

Refereed Articles (* major advisor for students)

1. Vitaliano PP, Prinz P, Vitiello MV, **Olshan AF**, Roehrs TA: On the use of repeated measures designs in psychopharmacology. *Psychopharmacology* 72:247-249, 1981. PMID: 6784142
2. Swindler DR, **Olshan AF**, Sirianni JE: Sex Differences in permanent mandibular tooth development in *Macaca nemestrina*. *Human Biology* 54:45-53, 1982. PMID: 7084931
3. Daniel HJ, Schmidh RT, **Olshan AF**, Swindler DR: Ontogenetic changes in the bony labyrinth of *Macaca mulatta*. *Folia Primatologica* 38:122-129, 1982. PMID: 7095657
4. **Olshan AF**, Siegel AF, Swindler DR: Robust and least squares orthogonal mapping: Methods for the study of cephalofacial form and growth. *American Journal of Physical Anthropology* 59: 131-137, 1982. PMID: 7149014
5. Swindler DR, **Olshan AF**: Molar size sequence in old world monkeys. *Folia Primatologica* 39:201-212, 1982. PMID: 7166286
6. Daling JR, Starzyk P, **Olshan AF**, Weiss NS: Birthweight and the incidence of childhood cancer. *Journal of the National Cancer Institute* 72:1039- 1041, 1984. PMID: 6585581
7. **Olshan AF**, Shy KK, Hickok DE, Luthy DA, Weiss NS, Daling JR: Effect of cesarean birth on neonatal mortality in very low birthweight infants. *Obstetrics and Gynecology* 64:267-70, 1984. PMID: 6738960
8. **Olshan AF**, Breslow NE, Daling JR, Weiss NS, Leviton A: Childhood brain tumors and paternal occupation in the aerospace industry. *Journal of the National Cancer Institute*, 77:17-19, 1986. PMID: 3459911
9. **Olshan AF**: Wilms' tumor, overgrowth and fetal growth factors: A hypothesis. *Cancer Genetics and Cytogenetics* 21:303-307, 1986. PMID: 3006909
10. Koepsell TD, Daling Jr, Weiss NS, Taylor JW, **Olshan AF**, Lyon JL, Swanson GM, Child M: Antigenic stimulation and the occurrence of multiple myeloma. *American Journal of Epidemiology* 126:1051-1062, 1987. PMID: 3687917

11. Shy KK, **Olshan AF**, Hickok DE, Luthy DA: Electronic fetal heart rate monitoring and the occurrence of perinatal mortality in very low birthweight infants. *Birth*, 15:14-18, 1988. PMID: 3348870
12. Breslow N, Norkool P, **Olshan A**, Evans A, D'Angio GJ: Second malignant neoplasms in survivors of Wilms' tumor: A report from the National Wilms' Tumor Study. *Journal of the National Cancer Institute*, 80:592-595, 1988. PMID: 2836600
13. Muhm JM, **Olshan AF**: A program to calculate sample size, power and least detectable relative risk using a programmable calculator. *American Journal of Epidemiology* 129:205-211, 1989. PMID: 2910062
14. **Olshan AF**, Baird PA, Teschke K: Paternal occupational exposures and the risk of Down syndrome. *American Journal of Human Genetics* 44:646-651, 1989. PMCID: PMC1715649
15. **Olshan AF**, Faustman E: Nitrosatable drug exposure during pregnancy and adverse pregnancy outcome. *International Journal of Epidemiology*, 18:891-899, 1989. PMID: 2621027
16. **Olshan AF**, Teschke, K, Baird PA: Birth defects among offspring of firemen. *American Journal of Epidemiology* 131:312-321, 1990. PMID: 2296983
17. **Olshan AF**, Breslow NE, Daling J, Falletta J, Grufferman S, Robison L, Waskerwitz M, Hammond D: Wilms' tumor and paternal occupation. *Cancer Research*, 50:3212-3217, 1990. PMID: 2159375
18. **Olshan AF**, Teschke K, Baird PA: Paternal occupation and congenital anomalies in offspring. *American Journal of Industrial Medicine*, 20:447- 475, 1991. PMID:1785611
19. Blatt J, **Olshan AF**, Gula MJ, Dickman PS, Zaranek B: Second malignancies in very long term survivors of childhood cancer. *American Journal of Medicine*, 93:57-60, 1992. PMID: 1320804
20. Ambinder RF, Browing PJ, Mann RB, Lorenzana I, Levanthal B, Cosenza H, MacMahon E, Medina R, Cardona V, Grufferman S, **Olshan A**, Levin A, Petersen EA, Blattner W, Levine PH. Epstein-Barr Virus and childhood Hodgkin's Disease in Honduras and the United States. *Blood*, 81:462-467, 1992. PMID: 8380725
21. Breslow N, **Olshan A**, Beckwith JB, Green DM. Epidemiology of Wilms tumor. *Medical and Pediatric Oncology*, 21:172-181, 1993. PMID: 7680412
22. **Olshan AF**, Faustman E: Male-Mediated Developmental Toxicity. *Annual Review of Public Health*, 14:159-181, 1993. (Reprinted in *Reproductive Toxicology*, 7:191-202, 1993) PMID: 7686758
23. **Olshan AF**, Breslow NE, Falletta J, Grufferman S, Pendergrass T, Robison L, Waskerwitz M, Woods W, Vietti T, Hammond D: Risk factors for Wilms' tumor: Report from the National Wilms' Tumor Study. *Cancer* 72:938-944, 1993. PMID: 8392906

24. Breslow N, **Olshan A**, Beckwith JB, Moksness J, Feigel P, Green D: Ethnic variation in the incidence, diagnosis, prognosis and followup of children with Wilms Tumor. *Journal of the National Cancer Institute*, 86:49-51, 1994. PMID: 8271283
25. Zhang J, **Olshan A**, Cai WW: Birth defects in relation to threatened abortion. *Epidemiology*, 5:341-344, 1994. PMID: 8038250
26. Savitz DA, Sonnenfeld N, **Olshan A**. Review of epidemiologic studies of paternal exposure and spontaneous abortion. *American Journal of Industrial Medicine*, 25:361-383, 1994. PMID: 8160656
27. Teschke K, Kennedy SM, **Olshan AF**: Effect of different questionnaire formats on reporting of occupational exposures. *American Journal of Industrial Medicine*, 26:327-337, 1994. PMID: 7977406
28. **Olshan AF**, Schnitzer P, Baird PA: Paternal age and the risk of cardiac defects. *Teratology*, 50:80-84, 1994. PMID: 7974258
29. **Olshan AF**, Mattison DR, Zwanenburg TSB: Cyclosporin A: Review of genotoxicity and potential for adverse human reproductive effects. *Mutation Research*, 317:163-173, 1994. PMID: 7511794
30. *McIntosh GC, **Olshan AF**, Baird PA: Paternal age and the risk of birth defects in offspring. *Epidemiology*, 6:282-288, 1995. PMID: 7619937
31. Carozza SE, **Olshan AF**, Faustman EM, Gula MJ, Kolonel LN, Austin DF, West D, Weiss NS, Swanson M, Lyon JL, Hedley-White T, Gilles FH, Aschenbrener C, Leviton A: Maternal Exposure to N-nitrosatable Drugs as a Risk Factor for Childhood Brain Tumors. *International Journal of Epidemiology*, 24:308-312, 1995. PMID: 7635590
32. *Schnitzer PG, **Olshan AF**, Savitz DA, Erickson JD: Validity of mother's report of father's occupation in a study of paternal occupation and congenital malformations. *American Journal of Epidemiology*, 141:872-877, 1995. PMID: 7717364
33. *Schnitzer PG, Teschke K, **Olshan AF**: A classification scheme for aggregating US census occupation and industry codes. *American Journal of Industrial Medicine*, 28:185-191, 1995. PMID: 8585516
34. *Schnitzer PG, **Olshan AF**, Savitz DA, Erickson JD: Paternal occupation and risk of birth defects in offspring. *Epidemiology*, 6:577-583, 1995. PMID: 8589087
35. **Olshan AF**, Ananth CV, Savitz DA: Intrauterine growth retardation as an endpoint in mutation epidemiology: an evaluation based on paternal age, *Mutation Research*, 344:89-94, 1995. PMID: 7565898
36. Savitz DA, **Olshan AF**: Multiple comparisons and related distractions in the interpretation of epidemiologic data, *American Journal of Epidemiology*, 142:904-908, 1995. PMID: 7572970

37. **Olshan AF.** Lessons learned from human studies of environmental exposure and genetic disease. *Environmental and Molecular Mutagenesis*, 25, Supplement 26:74-80, 1995. PMID: 7789365
38. Savitz DA, **Olshan AF**, Gallagher K: Maternal occupation and pregnancy outcome: results from the 1988 national maternal and infant health survey. *Epidemiology*, 7:269-274, 1996. PMID: 8728440
39. *McMahon MJ, Luther ER, Bowes WA, **Olshan AF**: Trial of labor versus elective repeat cesarean: a population-based study. *New Engl J Med*, 335:689-695, 1996. PMID: 8703167
40. Yarbrough WG, Aprelikova O, Pei H, **Olshan AF**, Liu ET: Familial tumor syndrome associated with a germline non-functional p16^{INK4a} allele. *J Natl Cancer Inst*, 88:1489-1491, 1996. PMID: 8841025
41. **Olshan AF**, Weissler MC, Pei, H, Conway K, Anderson S: Alterations of the p16 gene in head and neck cancer: Frequency and association with p53, PRAD-1, and HPV. *Oncogene*, 14:811-818, 1997. PMID: 9047388
42. **Olshan AF**, Weissler MC, Pei H, Conway K: p53 mutations in head and neck cancer: new data and evaluation of mutational spectra. *Cancer Epidemiology, Biomarkers & Prevention*, 6:499-504, 1997. PMID: 9232336
43. McMahon MJ, Li R, Schenck AP, **Olshan AF**, Royce RA: Previous cesarean birth as a risk factor for placenta previa: A population-based case-control study. *Journal of Reproductive Medicine*, 42:409-412, 1997. PMID: 9252931
44. Blatt J, **Olshan A**, Lee PA, Ross JL: Neuroblastoma and related tumors in Turner's syndrome. *Journal of Pediatrics*, 131:666-670, 1997. PMID: 9403643
45. *Daniels JL, **Olshan AF**, and Savitz DA: Pesticides and childhood cancer: A review. *Environmental Health Perspectives*, 105:1068-1077, 1997. PMID: 9349828
46. *McKaig R, Baric R, **Olshan AF**: HPV and Head and Neck Cancer: A Review. *Head & Neck*, 20:250-265, 1998. PMID: 9570632
47. Shults R. Arndt V, Martin C, **Olshan A**, Royce R: Effects of short interpregnancy intervals on intrauterine growth retardation and preterm birth. *Epidemiology* 10:250-254, 1999. PMID: 10230833
48. *Lieff S, **Olshan AF**, Savitz DA, Werler M: Selection bias and the use of controls with malformations in case-control studies of birth defects. *Epidemiology* 10:238-241, 1999. PMID: 10230831
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The Epidemiology of Childhood Cancer: Lessons Learned and What's Next. Duke University, Cancer Control Seminar Series, Durham, NC, October 11, 2011.

Gene-Environment Interaction in Head and Neck Cancer: The Role of Alcohol Metabolism. North Carolina Central University, Durham, NC, November 30, 2011.

The Causes of Birth Defects: Opportunities and Challenges. Department of Public Health Sciences. Medical University of South Carolina. Charleston, SC, April 28, 2014.

The Causes of Birth Defects: Opportunities and Challenges. Pediatrics, Moses H. Cone Memorial Hospital. Greensboro, NC, May 7, 2014.

Approaches to Studying the Etiology of Neuroblastoma: The Neuroblastoma in North America (NENA) Study. Department of Pediatric Hematology/Oncology, Columbia University Medical Center, New York, NY, November 18, 2015.

The Evolution of Cancer Epidemiology: Promise and Pitfall. Geoffrey Howe Memorial Lecture at the Columbia University Epidemiology Grand Rounds. Department of Epidemiology, Columbia University. New York, NY, November 18, 2015.

The UNC CHANCE Study: Adventures in the Molecular Epidemiology of Head and Neck Cancer. Department of Environmental Health, University of Cincinnati, Cincinnati, Ohio, March 30, 2016.

Gene-Exposure Interaction in the Etiology of Childhood Cancer. Symposium. Germline Genetic Risk of Childhood Cancer: Where Do We Go from Here? Minneapolis, Minnesota, May 9, 2016

The Evolution of Cancer Epidemiology: Promise and Pitfall. Cancer Control Program Seminar, Ohio State University Comprehensive Cancer Center. Columbus, Ohio, NY, May 25, 2016.

INVITED, OTHER:

Invited, Meeting to Review the Status of clinical and epidemiologic research on structural birth defects, NICHD, Bethesda, MD, October 15, 1997

Invited, Meeting on The Need for and Design of a Nationwide Childhood Cancer Registry, Washington DC, July 24, 1998.

Invited, Head and Neck Cancer Priority Setting Workshop, NCI, NIDCR, Bethesda, February 21, 1999

Invited, Toward New Paradigms in Genetic and Molecular Epidemiologic Research: Identifying Infrastructure Needs for Population-Based Studies. NCI, Rockville, MD, February 19, 1999.

External Peer Review Panel, Environmental Protection Agency Preliminary Risk Assessment of Cadmium. Research Triangle Park, NC, August 3, 1999

Cancer Breakout Group Chair, Critical Windows of Exposure for Child's Health. Richmond, VA. Environmental Protection Agency. Richmond, VA, September 14-15, 1999

Invited, EPI-21, Epidemiology in the Twenty-First Century. National Institute of Environmental Health Sciences, Raleigh, NC, October 31- November 2, 1999.

Invited, Workshop on Environmental Contributors to Infant Mortality. National Institute of Environmental Health Sciences, Research Triangle Park, NC, May 15-16, 2001.

Invited, Session Co-Chair, Workshop, Gene-Environment Interactions in the Etiology of Childhood Cancer, National Cancer Institute, Bethesda, MD, March 25-26, 2002.

Invited, Workshop Organizer, Molecular Epidemiologic Approaches to the Evaluation of Cancer Risk, Progression, and Therapeutic Efficacy, The Sixth Research Workshop on the Biology, Prevention, and Treatment of Head and Neck Cancer, McLean, Virginia, October 9-13, 2002.

Invited, Discussant, Childhood Cancer Prevention: Opportunities Before and During Pregnancy to Reduce Risk. Division of Cancer Prevention and Control, Centers for Disease Control and Prevention, May 23, 2014.

Huntersville, NC Uveal Melanoma Scope of Work

Background: There have been 12 cases of uveal melanoma diagnosed in patients within the past 10 years who have resided or worked in Huntersville, NC. Of these 12, 9 affected women with 6 of these women diagnosed under the age of 30. Two of these women and 2 men have died from disease. In addition to the incidence of cases, the number cases affecting young female patients are unusual. Epidemiologic and clinical genetic (BAP1) analyses are ongoing. Deep molecular analyses of biospecimens available from these cases may contribute to a further understanding of this group of patients.

Plan: After obtaining regulatory and IRB approval, we will obtain all available tumor and germline biospecimens. The tumor specimens that have been identified thus far and are available are outlined in the table below and include:

1. Five enucleation specimens (primary tumor samples)
2. Four liver biopsy specimens (metastatic tumor samples; three liver biopsy sample available from patient who also underwent enucleation and one from a patient who also underwent FNA of the primary lesion)
3. Three fine needle aspirate sample of primary (primary tumor samples; one FNA available from a patient who underwent liver biopsy)

Of these, it may be possible to obtain matched normal tissue from 4 patients for purposes of whole exome sequencing analysis.

Case	Status	Enucleation Specimen	FNA of Primary	Liver Biopsy	Matched Normal
1 (KC)	Deceased	X		X	
2 (ML)	Deceased		X	X	
3 (SH)	Alive		X		X
4 (CP)	Alive	X			X
5 (GG)	Alive		X		X
6 (BM)	Alive	X			X
7 (BP)	Deceased	X		X	
8 (JK)	Deceased	X		X	

We propose the following testing:

1. We will perform next generation sequencing and transcriptome analysis for cases with sufficient material through the Columbia University Medical Center (CUMC) Genomics Technologies Core of the Herbert Irving Comprehensive Cancer Center (<http://www.hiccc.columbia.edu/research/sharedresources/genomics>). For cases where matched normal-frozen tumor specimens are available with sufficient quality and quantity, we will perform whole exome/transcriptome

sequencing. We will perform more targeted sequencing as need based upon biospecimen quantity and quality. We will compare results obtained from these Huntersville, NC cases from publically available results obtained from uveal melanoma samples collected as part of The Cancer Genome Atlas project (<https://cancergenome.nih.gov/cancersselected/UvealMelanoma>) and other available datasets in an effort to identify genetic similarities and differences.

2. Similar epigenetic analysis will be performed on all cases with sufficient DNA material. We will perform genome-wide analysis of CpG methylation using the Illumina “800k” MethylationEPIC BeadChip Assay through the CUMC Epigenetics Shared Resource of the Herbert Irving Comprehensive Cancer Center (<http://www.hiccc.columbia.edu/research/sharedresources/molecularcyto-epigenetics>).
3. We will assess the cellular immune infiltrate within the tumor microenvironment of the available cases using available archived tumor specimens. We determine cell phenotypes and localization as well as perform nearest neighbor analysis using the MANTRA system from Perkin Elmer and Inform software in the laboratory of Dr. Yvonne Saenger at CUMC (<http://www.cumc.columbia.edu/hematology-oncology/about-us/yvonne-saenger>).

DNA and RNA extraction from either fresh frozen material or paraffin embedded material will be performed by the Herbert Irving Comprehensive Cancer Center Molecular Pathology Core (<http://www.hiccc.columbia.edu/research/sharedresources/molecular/using>).

Budget: The estimated cost per sample for each of the proposed assays, including bioinformatics analysis costs, is below.

Assay	Estimated Cost/Sample	Testing Location
DNA and RNA Extraction	\$50	Molecular Pathology Core
Whole Exome/Transcriptome	\$5000	Genomics Technologies Core
CpG Methylation Analysis	\$1000	Epigenetics Shared Resource
Multiplex Immunohistochemistry	\$500	Saenger Laboratory

Assuming full analysis of 9 cases, including the five enucleation samples and four liver biopsy samples (with limited if any analysis possible on three FNA samples), we anticipate a maximum total cost of \$58,950 (9 x \$6550). The total cost may be lower

depending on sample availability, specimen quality, and assays ultimately felt to be feasible.

Timeline: We have initiated the process to obtain local IRB approval of this project and will obtain verbal consent of patients and/or family members to obtain available biospecimens once approval has been obtained. We anticipate this process being complete by May 2017. We will then request all available biospecimens to be shipped to our center and hope to have all specimens on site by July 2017. Once all specimens are obtained, we anticipate completion of all testing and analysis within 2 months. A final report will be generated by December 2017 or sooner.

Town of Huntersville
REQUEST FOR BOARD ACTION
4/17/2017

REVIEWED:

To: The Honorable Mayor and Board of Commissioners
From: Michael Jaycocks
Subject: Carolina Rapids Agreement for Barry Park

This First Amendment to the Carolina Rapids Agreement for Barry Park will extend the original 10 year agreement for an additional 10 years that would end on August 3, 2028. The Carolina Rapids will be required to pay a min. of \$535,000 over this ten year agreement. The Rapids will pay \$310,000 for field usage at Barry Park over the ten years. If the town's field usage rates change during the term of this First Amendment and the new rate times the field usage is more than \$31,000.00, the Rapids shall pay the higher amount to the Town. Additionally, the Rapids shall pay the Town a total of \$225,000.00, as a Capital Reserve Fee for Barry Park. This fee will be paid in the amount of \$20,000.00, annually, for years one through five (1-5), and then \$25,000.00, annually, for years six through ten (6-10). Payments shall be made on September 1st of each and every year beginning September 1, 2018, and the last payment shall be made on September 1, 2027. The Capital Reserve Fee will go into a new Capital Reserve Fund for Barry Park.

The Parks and Recreation Committee approved this recommendation at its June 15, 2016 meeting.

ACTION RECOMMENDED:

Consider approving the First Amendment to the Carolina Rapids Agreement.

FINANCIAL IMPLICATIONS:

The Rapids would pay the town a min. of \$535,000 over this ten year agreement.

ATTACHMENTS:

Description	Type
<input type="checkbox"/> Caroinal Rapids Agreement for Barry Park	Backup Material
<input type="checkbox"/> Exhibit A	Exhibit

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

**FIRST AMENDED AND RESTATED
FIELD USAGE AGREEMENT, RICHARD BARRY PARK**

This First Amended and Restated Field Usage Agreement, Richard Barry Park (hereinafter “First Amendment”), is made this ____ day of _____, 2017, by and between the TOWN OF HUNTERSVILLE, a North Carolina municipal corporation (hereinafter “Town”), and CAROLINA RAPIDS SOCCER CLUB, a North Carolina non-profit corporation, formerly known as North Meck Soccer Club (hereinafter “Rapids”).

W I T N E S S E T H:

WHEREAS, Town is the Lessee from Mecklenburg County of certain property located on Beatties Ford Road known as Richard Barry Park (hereafter “Barry Park”), and

WHEREAS, Town and Rapids entered into a Field Usage Agreement (“Agreement”), dated August 4, 2008, for the purpose of granting to Rapids certain field usage and other rights at Barry Park in exchange for certain consideration paid by Rapids; and

WHEREAS, The term of the Agreement was for a period beginning on August 4, 2008, and continuing for a period of 120 months, unless extended, or terminated by mutual agreement, or because of default by either party; and

WHEREAS, Town and Rapids wish to amend and restate the Agreement to extend the term of the Agreement and to address field rates and payments, fees, and other terms.

NOW, THEREFORE, for valuable consideration, Town and Rapids agree as follows:

1. Term. The term of this First Amendment shall begin on August 4, 2018, and end at 12:01 a.m., on August 3, 2028, unless terminated earlier pursuant to the terms of the Agreement.
2. Field Usage Fees. Rapids shall pay to Town a total of \$310,000.00, for field usage fees at Barry Park for a ten (10) year period beginning December 1, 2018, and ending July 1, 2028. The bi-annual payments of \$15,500.00, shall be paid on or before December 1st and July 1st of each and every year (see Amortization of Field Usage Fees attached hereto as Exhibit A). The Field Usage Fees shall be placed into the General Park Capital Reserve Fund, and used for any Town park facility.
3. If the field usage rates change during the term of this First Amendment and the new rate times the field usage is more than \$31,000.00, the Rapids shall pay the higher amount to Town.
4. The field usage fees specified in paragraphs 2 and 3 are for Barry Park fields only. All field usage fees at other Town parks shall be treated as regular co-sponsor usage.

5. Capital Reserve Fee. Additionally, Rapids shall pay to Town a total of \$225,000.00, as a Capital Reserve Fee for Barry Park. This fee will be paid in the amount of \$20,000.00, annually, for years one through five (1-5), and then \$25,000.00, annually, for years six through ten (6-10). Payments shall be made on September 1st of each and every year beginning September 1, 2018, and the last payment shall be made on September 1, 2027.
6. Town shall create a new Capital Reserve Fund for the sole purpose and use of Barry Park, and all such monies paid by Rapids according to paragraph 5 above shall be placed into the Barry Park Capital Reserve Fund. The Capital Reserve Fund shall be used solely as a reinvestment into capital expenditures for Barry Park.
7. Event of Default. The happening of any of the following shall constitute an Event of Default on the part of Rapids during the term of this First Amendment: (a) failure to pay the Field Usage Fees or Capital Reserve Fee payments when due which remains uncured after thirty (30) days from the due date; and (b) any non-monetary violation of the Agreement and/or First Amendment after thirty (30) days notice to Rapids. Upon the occurrence of an Event of Default which remains uncured, Town shall have all remedies available, including the immediate termination of the Agreement and First Amendment; termination of Rapids rights of use of the fields; and maintaining an action to recover unpaid Field Usage Fees or Capital Reserve Fees, or other amounts due the Town.
8. The parties further agree that the Lake Norman Giants will continue to have priority of Field 5 during the fall season.
9. Town shall have rights to book up to five (5) outside tournaments, per year, at Barry Park.
10. All other provisions and agreements contained in the Agreement dated August 4, 2008, shall continue in full force and effect, subject to the above agreements.

THE REMAINDER OF THIS PAGE LEFT INTENTIONALLY BLANK

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date set forth above.

TOWN OF HUNTERSVILLE

By: _____
Gerald Vincent, Interim Town Manager

ATTEST:

Janet Pierson, Town Clerk

(SEAL)

THIS INSTRUMENT HAS BEEN PREAUDITED IN THE MANNER REQUIRED BY THE LOCAL GOVERNMENT BUDGET AND FISCAL CONTROL ACT:

APPROVED AS TO FORM:

Jackie Huffman, Finance Director

Robert B. Blythe, Town Attorney

CAROLINA RAPIDS SOCCER CLUB

By: _____
Printed Name: _____

Its: _____
(Title)

FIELD USAGE FEES

VALUES				SUMMARY		
Amount		\$310,000.00		Bi-annual payments		\$15,500.00
Annual interest rate		0.00%		Number of payments		20
Period in years		10				\$0.00
Start date		12/1/2018		Total cost		\$0.00

PMT NO.	PAYMENT DATE	BEGINNING BALANCE	PAYMENT	PRINCIPAL	INTEREST	ENDING BALANCE
1	12/1/2018	\$310,000.00	-\$15,500.00	\$0.00	\$0.00	\$294,500.00
2	7/1/2019	\$294,500.00	-\$15,500.00	\$0.00	\$0.00	\$279,000.00
3	12/1/2019	\$279,000.00	-\$15,500.00	\$0.00	\$0.00	\$263,500.00
4	7/1/2020	\$263,500.00	-\$15,500.00	\$0.00	\$0.00	\$248,000.00
5	12/1/2020	\$248,000.00	-\$15,500.00	\$0.00	\$0.00	\$232,500.00
6	7/1/2021	\$232,500.00	-\$15,500.00	\$0.00	\$0.00	\$217,000.00
7	12/1/2021	\$217,000.00	-\$15,500.00	\$0.00	\$0.00	\$201,500.00
8	7/1/2022	\$201,500.00	-\$15,500.00	\$0.00	\$0.00	\$186,000.00
9	12/1/2022	\$186,000.00	-\$15,500.00	\$0.00	\$0.00	\$170,500.00
10	7/1/2023	\$170,500.00	-\$15,500.00	\$0.00	\$0.00	\$155,000.00
11	12/1/2023	\$155,000.00	-\$15,500.00	\$0.00	\$0.00	\$139,500.00
12	7/1/2024	\$139,500.00	-\$15,500.00	\$0.00	\$0.00	\$124,000.00
13	12/1/2024	\$124,000.00	-\$15,500.00	\$0.00	\$0.00	\$108,500.00
14	7/1/2025	\$108,500.00	-\$15,500.00	\$0.00	\$0.00	\$93,000.00
15	12/1/2025	\$93,000.00	-\$15,500.00	\$0.00	\$0.00	\$77,500.00
16	7/1/2026	\$77,500.00	-\$15,500.00	\$0.00	\$0.00	\$62,000.00
17	12/1/2026	\$62,000.00	-\$15,500.00	\$0.00	\$0.00	\$46,500.00
18	7/1/2027	\$46,500.00	-\$15,500.00	\$0.00	\$0.00	\$31,000.00
19	12/1/2027	\$31,000.00	-\$15,500.00	\$0.00	\$0.00	\$15,500.00
20	7/1/2028	\$15,500.00	-\$15,500.00	\$0.00	\$0.00	\$0.00

CAPITAL RESERVE FEES

VALUES				SUMMARY		
Amount		\$225,000.00		Annual Payments		
		0.00%		Number of payments		20
Period in years		20				\$0.00
Start date		9/1/2018		Total cost		\$0.00

PMT NO.	PAYMENT DATE	BEGINNING BALANCE	PAYMENT	PRINCIPAL	INTEREST	ENDING BALANCE
1	9/1/2018	\$225,000.00	-\$20,000.00	\$0.00	\$0.00	\$205,000.00
2	9/1/2019	\$205,000.00	-\$20,000.00	\$0.00	\$0.00	\$185,000.00
3	9/1/2020	\$185,000.00	-\$20,000.00	\$0.00	\$0.00	\$165,000.00
4	9/1/2021	\$165,000.00	-\$20,000.00	\$0.00	\$0.00	\$145,000.00
5	9/1/2022	\$145,000.00	-\$20,000.00	\$0.00	\$0.00	\$125,000.00
6	9/1/2023	\$125,000.00	-\$25,000.00	\$0.00	\$0.00	\$100,000.00
7	9/1/2024	\$100,000.00	-\$25,000.00	\$0.00	\$0.00	\$75,000.00
8	9/1/2025	\$75,000.00	-\$25,000.00	\$0.00	\$0.00	\$50,000.00
9	9/1/2026	\$50,000.00	-\$25,000.00	\$0.00	\$0.00	\$25,000.00
10	9/1/2027	\$25,000.00	-\$25,000.00	\$0.00	\$0.00	\$0.00

Town of Huntersville
REQUEST FOR BOARD ACTION
4/17/2017

REVIEWED:

To: The Honorable Mayor and Board of Commissioners
From: Tracy Houk
Subject: GTBC Appointment

The Greenway, Trail and Bikeway Commission has 1 opening. Jeff Fissel has unfortunately moved out of Huntersville Town limits & must resign from the GTBC commission. The open term will expire December 2017.

ACTION RECOMMENDED:

Appoint 1 new member to the remaining term for 2017.

FINANCIAL IMPLICATIONS:

N/A

ATTACHMENTS:

Description	Type
□ GTBC April Applications	Backup Material
□ GTBC Resident Map	Backup Material

Background Information:

Name Michelle Bennett Home Phone 704-766-0640

Home Address 15610 CARRINGTON RIDGE DR Zip Code 28078-1215

E-Mail Address BENFAMMAIL@GMAIL.COM

Present Occupation financial services Work Phone 704-766-0640

Place of Employment Wells Fargo

Approximate Hours Available Per Month for Serving On Advisory Board 4-8

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

N/A Expiration Date _____

Expiration Date _____

Education CAPELLA UNIVERSITY - B.S. Business Admin.

Business and Civic Experience Girl Talk Foundation

Council on Aging (Meck.)

Areas of Expertise and Interests/Skills facilitation, communication

Microsoft office,

I, undersigned, understand this application will be kept on the active file for a two (2) year period

M. Bennett

11/03/11

Background Information:

Name JOHN CUMMINGS Home Phone 304-633-9464

Home Address 12808 Coral Sunrise Dr, Hunt Zip Code 28078

E-Mail Address john@jcumings.net

Present Occupation Consultant Work Phone 304-633-9464

Place of Employment MICROSOFT

Approximate Hours Available Per Month for Serving On Advisory Board 20

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

_____ Expiration Date _____

_____ Expiration Date _____

Education BS - Marshall University

Business and Civic Experience Create Huntington Board - Huntington, WV

United Way Giving Campaign - Huntington, WV

Make-A-Wish Intake Volunteer - Huntington, WV

Areas of Expertise and Interests/Skills _____

Where needed

I, undersigned, understand this application will be kept on the active file for a two (2) year period

John M. Cummings Jr
(Signature of Applicant)

10/31/2016
(Date)

Background Information:

Name Jason Hammock Home Phone 704-584-5893

Home Address 6235 Stephens Grove Lane Zip Code 28078

E-Mail Address jhammock75@gmail.com

Present Occupation Business Development Manager Work Phone 704-607-7875

Place of Employment Fabrinet, USA

Approximate Hours Available Per Month for Serving On Advisory Board 16-20 hrs.

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

N/A Expiration Date _____

N/A Expiration Date _____

Education B.Sc. Chemistry, MBA - Finance, PMP (Project Management Professional),
SDRM (Strategic Decision & Risk Management)

Business and Civic Experience Experience w/ all aspects of business management.
Volunteering @ son's school (Barnette Elementary), ad-hoc financial consulting
on a pro-bono basis

Areas of Expertise and Interests/Skills Business management, project management,
engaging dialogue. Interests include hiking, biking, fishing, any time spent w/ the

I, undersigned, understand this application will be kept on the active file for a two (2) year period

family

Jason Hammock
(Signature of Applicant)

November 2, 2016

Background Information:

Name Mike McPherron Home Phone 704-439-7782

Home Address 13721 Dutch Fork Dr, Huntersville Zip Code 28078

E-Mail Address Mike - mcpherron@hotmail.com

Present Occupation Business Control Mgr. Work Phone 980-387-2584

Place of Employment Bank of America

Approximate Hours Available Per Month for Serving On Advisory Board As needed - 10

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

- N/A - Expiration Date —

- N/A - Expiration Date —

Education B.S. Chemical Engineering, Masters of Business Administration

Business and Civic Experience 30 years of Operations Mgmt. Experience
Former President of U.P. of Hunters Neighborhood Association

Areas of Expertise and Interests/Skills Avid Runner & Interested in
Greenway & Trail Development Plans

I, undersigned, understand this application will be kept on the active file for a two (2) year period

Michael Johnson

11/1/2016

Background Information:

Name Maria Reese Home Phone 828-291-4753

Home Address 13616 Alston Forest Dr, Zip Code 28078

E-Mail Address maria.reese@carolinashealthcare.org

Present Occupation Community Benefit Work Phone 704-631-0961

Place of Employment Carolinas HealthCare System

Approximate Hours Available Per Month for Serving On Advisory Board 2-3

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

N/A Expiration Date |

N/A Expiration Date _____

Education Master of Science in Health Sciences
Bachelor of Science, in Physical Education

Business and Civic Experience Run a PreDiabetes prevention program
and oversee community health programs for childhood obesity,
mental health, community service, and community giving.

Areas of Expertise and Interests/Skills 20 years experience doing Public Health
programs + services related to health and wellness.

I, undersigned, understand this application will be kept on the active file for a two (2) year period

Maria Reese 11/15/16
(Signature of Applicant) (Date)

Background Information:

Name TIM SANBORN Home Phone 704-948-1959

Home Address 8616 TAIBROOK DR Zip Code 28078

E-Mail Address tim.p.sanborn@gmail.com

Present Occupation PRODUCT STEWARD Work Phone 704-930-9171

Place of Employment BASE CORPORATION

Approximate Hours Available Per Month for Serving On Advisory Board FLEXIBLE BUT NO MORE THAN 15

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

_____ Expiration Date _____

_____ Expiration Date _____

Education B.S. CHEMISTRY, MORAVIAN COLLEGE

Business and Civic Experience STRATEGIC & MARKET MANAGEMENT; PROJECT MANAGEMENT; EAGLE SCOUT; WYNFIELD HOA BOARD PRESIDENT, SECRETARY, COMMITTEE MEMBER; HOMEFRONT MUSIC & DASH FOR DON

Areas of Expertise and Interests/Skills LEADERSHIP & TEAM BUILDING; ORGANIZER
HIKING, BACKPACKING

I, undersigned, understand this application will be kept on the active file for a two (2) year period

Timothy P. Sanborn
(Signature of Applicant)

11/7/16

(Date)

Applications may be mailed to:

Applications may also be hand delivered to:

Background Information:

Name STEELE, GEOFF Home Phone (704) 875-8876

Home Address 13510 McCoy Ridge Dr Zip Code 28078-3665

E-Mail Address gstee14him@hotmail.com

Present Occupation RETIRED (Community service) Work Phone (704) 875-8876

Place of Employment HOME

Approximate Hours Available Per Month for Serving On Advisory Board 10 +

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

PARK & RECREATION Comm. Expiration Date 12/2018

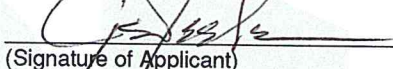
Expiration Date _____

Education B.A. Journalism & International Relations, American Univ., 1966; M.S. Communications, Syracuse Univ., 1967

Business and Civic Experience 34-year Fed govt. career (3 agencies); poll judge; owner of free-lance photo business (18 years); Two prior Terms on Greenway Commission; marriage mentoring/counseling

Areas of Expertise and Interests/Skills Photography; press releases; non-profit corporation establishment; grant application writing

I, undersigned, understand this application will be kept on the active file for a two (2) year period


(Signature of Applicant)

10/28/2016
(Date)



Advisory Board Application

Applicant must be a Huntersville Resident

Please check the boxes next to the Advisory Boards in which you are interested in applying for:

- Park and Recreation Commission**
- Greenway, Trail and Bikeway Commission**

Background Information:

Name Elizabeth Fischthal Home Phone 704-948-1550

Home Address 16008 Prestwoods Ln Zip Code 28078

E-Mail Address eskiny@aol.com

Present Occupation Human Resources Work Phone 404-867-5466

Place of Employment TIAA

Approximate Hours Available Per Month for Serving On Advisory Board 6-8 hours

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On: None

Expiration Date _____

Expiration Date _____

Education West Virginia University, Bachelors in Finance

Michigan State University, Masters in Labor and Industrial Relations

Business and Civic Experience 15+ years in Human Resources. Employed prior at

Ingersoll Rand for 10 years in Davidson, 5+ years currently at TIAA and

prior in automotive

Areas of Expertise and Interests/Skills Fitness and overall community access to

greenways - Interest

I, undersigned, understand this application will be kept on the active file for a two (2) year period

Elizabeth Justice

(Signature of Applicant)

3/27/16

(Date)

Applications may be mailed to:

Huntersville Parks and Recreation Department
P.O. Box 2879
Huntersville, NC 28070

Applications may also be hand delivered to:

Huntersville Parks and Recreation Department
Town Center Building
105 Gilead Road, 3rd Floor
Huntersville, NC 28078

For more information about these advisory board openings, please call 704-766-2228

Parks & Recreation

Post Office Box 2879 • 105 Gilead Road, Third Floor • Huntersville, NC 28070
phone 704.766.2220 • fax 704.992.5528 • www.huntersville.org

Thank you for your consideration



Advisory Board Application

Applicant must be a Huntersville Resident

Please check the boxes next to the Advisory Boards in which you are interested in applying for:

- Park and Recreation Commission
Greenway, Trail and Bikeway Commission

Background Information:

Name Adam Bratton Home Phone 757-630-3409
Home Address 5737 McDowell Run Dr Zip Code 28078
E-Mail Address abratton@usnwc.org
Present Occupation Marketing Director Work Phone 704.395.5760
Place of Employment US National Whitewater Center
Approximate Hours Available Per Month for Serving On Advisory Board 5-10 hrs

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:
Expiration Date

Education B.S. in Kinesiology - The College of William + Mary (2006)
MBA - Sports Marketing/ Sports Management - UNC Charlotte (2010)

Business and Civic Experience Please reference my LinkedIn page/profile
linkedin.com/in/AdamBratton/

Areas of Expertise and Interests/Skills Avid Runner/Cyclist/Anything active.
Solid understanding of the practical and feasible implications

I, undersigned, understand this application will be kept on the active file for a two (2) year period of an active lifestyle/community
Adam Bratton 3/31/17 (Date)

Applications may be mailed to:
Huntersville Parks and Recreation Department
P.O. Box 2879
Huntersville, NC 28070

Applications may also be hand delivered to:
Huntersville Parks and Recreation Department
Town Center Building
105 Gilead Road, 3rd Floor
Huntersville, NC 28078

For more information about these advisory board openings, please call 704-766-2228

Parks & Recreation

Post Office Box 2879 • 105 Gilead Road, Third Floor • Huntersville, NC 28070
phone 704.766.2220 • fax 704.992.5528 • www.huntersville.org

Town of Huntersville NORTH CAROLINA

Advisory Board Application

Applicant must be a Huntersville Resident

Please check the boxes next to the Advisory Boards in which you are interested in applying for:

- Park and Recreation Commission
 Greenway, Trail and Bikeway Commission

Background Information:

Name Diane McLaine Home Phone 704-948-6080
Home Address 15133 Oxford Hollow Zip Code 28078
E-Mail Address SDMcLaine@BellSouth.net
Present Occupation Project Manager Work Phone 704-427-3910
Place of Employment Wells Fargo
Approximate Hours Available Per Month for Serving On Advisory Board 10
Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On: None

Expiration Date _____

Expiration Date _____

Education Ohio Wesleyan University - BA

Business and Civic Experience Project Manager for 20+ years &

can bring communication + organizational skills to
the commission. Participated as a member of the Greenway
Committee during the master planning phase.

Areas of Expertise and Interests/Skills: I have a lot of interest + enthusiasm for
the Huntersville Greenways & would love the opportunity to help
promote and coordinate greenway development and activities.

I, undersigned, understand this application will be kept on the active file for a two (2) year period

Diane McLaine
(Signature of Applicant)

3/31/17
(Date)

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P.O. Box 2879
Huntersville, NC 28070

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Town of Huntersville NORTH CAROLINA

Advisory Board Application

Applicant must be a Huntersville Resident

Please check the boxes next to the Advisory Boards in which you are interested in applying for:

- Park and Recreation Commission
 Greenway, Trail and Bikeway Commission

Background Information:

Name Jason Pauling Home Phone (704) 421-8889

Home Address 12909 Blakemore Avenue Zip Code 28078

E-Mail Address jpauling@cornelius.org

Present Occupation Senior Planner Work Phone (704) 896-2461

Place of Employment Town of Cornelius

Approximate Hours Available Per Month for Serving On Advisory Board 5-10

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

_____ Expiration Date _____

_____ Expiration Date _____

Education Bachelors Degree (BS) in Geography from UNC Charlotte

Business and Civic Experience I have worked in the planning field for over 16 years.

Worked for Mecklenburg County Park and Rec. for 5 years (2005-2010) as Senior

Greenway Planner. I am a big advocate for greenway, pedestrian and bicycle planning

Areas of Expertise and Interests/Skills Greenway, Bicycle and Pedestrian Planning, GIS,

Transportation Planning, long range planning and zoning

I, undersigned, understand this application will be kept on the active file for a two (2) year period

Jason J. Pauling
(Signature of Applicant)

3/24/2017
(Date)

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Huntersville, NC 28070

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Huntersville, NC 28078

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Advisory Board Application

Applicant must be a Huntersville Resident

Please check the boxes next to the Advisory Boards in which you are interested in applying for:

- Park and Recreation Commission
- Greenway, Trail and Bikeway Commission

Background Information:

Name Anthony Wilkinson Home Phone 704 517 1792
 Home Address 12506 Kane Alexander DR Zip Code 28078
 E-Mail Address Anthony.R.Wilkinson@gmail.com
 Present Occupation IT Manager Work Phone 704 988 6228
 Place of Employment TIAA
 Approximate Hours Available Per Month for Serving On Advisory Board 16-20

Name of Any Town or County Boards/Committees/Commissions You Are Presently Serving On:

Expiration Date _____

Expiration Date _____

Education BS/BA in Business Management
Masters of science certificate

Business and Civic Experience Enclosed

Areas of Expertise and Interests/Skills Running hiking biking camping
fishing & landscaping

I, undersigned, understand this application will be kept on the active file for a two (2) year period

[Signature]
 (Signature of Applicant)

3/29/17
 (Date)

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 P.O. Box 2879
 Huntersville, NC 28070

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Parks & Recreation

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Anthony R. Wilkinson
12506 Kane Alexander DR. Huntersville, NC 28078
E-mail: Anthony.R.Wilkinson@Gmail.com **Phone:** (704) 517-1792
<https://www.linkedin.com/in/anthonyrwilkinson>

Synopsis

Innovative leader with over twenty years of hands on experience specializing in application development, operations, information security, project management, and enterprise architecture.

Professional Experience

 **TIAA**— Global Corporate Solutions Technology, Charlotte, NC


Senior Lead Development Manager (February 2016 - Present)
Senior Technical Lead (February 2015 - February 2016)
Technical Lead (August 2013- February 2015)

- Information Technology Leader. Responsible for the management, talent development, and budgeting of teams of offshore and onshore resources. Currently managing the Collaboration and Internal Marketing group under TIAA's Global Corporate Solutions Technology division. This group focuses on the customers' needs at the enterprise level as well as the specific needs of any Human Resources and Marketing business partners.
- Development Manager. Accountable to business for end to end solution delivery that meets or exceeds quality standards in accordance with planned budget and schedule. Provide oversight in the design, development, and testing of enterprise class applications. Mentor globally distributed developers in design, coding, testing, and deployment activities.
- IT Architect. Define, set, and own roadmaps and standards for the application development, physical infrastructure, support techniques, and information technology methodologies. Provide leadership, holistic views, and guidance to the technical staff in identifying and investigating challenges involving strategy, policy, process, and technical issues. Active voting member of the enterprise information technology architecture board.
- Operations Manager. Lead and direct teams of systems administrators, network engineers, DBAs, and developers to ensure successful software releases and system operational uptime.
- Technical Program/Project Manager. Proactively manage all aspects of the project scope, issues, risks, schedules, budgets, quality of deliverables, and communications within the assigned project or program teams. Mentor, guide, and support team members to achieve business driven IT initiatives. Currently practicing both Agile and Waterfall methodologies.

Recent Initiatives and Commonly Deployed Technologies

- Technical development manager supporting TIAA's Marketing, Digital, and Human Resources divisions.
- IT manager responsible for all enterprise SharePoint platforms.
- Microsoft O365
 - Yammer – Enterprise Application Manager for Yammer (TIAA Chats)
 - SharePoint Online – Development manager taking TIAA to SharePoint Online

- Cloud Technology
 - Amazon Web Services - IaaS
 - Azure – IaaS. PaaS.
- TIAA Charitable – Lead the IT program that established a new online business and product line in TIAA Charitable. www.tiaa charitable.org
- TIAA Institute – Lead an IT transformation program to rebrand and rebuild the TIAA Institute’s digital presence. www.tiaa institute.org

 **TIAA** – Corporate Security and Infrastructure, Charlotte, NC

Security Engineer – Senior IT Engineer (June 2009 - August 2013)

Technical lead that planned, budgeted, tested, implemented, and operationalized third party security applications, frameworks, and tool sets. Directly responsible for daily health, administration, management, monitoring, and availability of all data loss prevention solutions and governance risk frameworks at TIAA.

Initiatives and Deployed Technologies

Direct Application Management Provided for:

- Varonis DatAdvantage & DataPrivelege
 - Windows Server (Ver. 03/08/12)
 - Microsoft SQL (Ver. 05/08/12)
- Symantec’s Vontu
 - Red Hat Linux (Ver. 4/5).
 - Oracle (Ver. 10g/11g)
- EMC’s RSA Archer eGRC.
 - Windows Server (Ver. 03/08/12)
 - Microsoft SQL (Ver. 05/08/12)

Indirect Application Management Provided for:

- RSA’s Aveksa
- HP’s Arcsight
- FireEye
- CA’s IDM
- IBM’s Guardium Data Security



Wells Fargo – Corporate and Investment Banking IT, Charlotte, NC

Middleware Engineer

(February 08 - June 2009)

Designed, developed, deployed, and administered SharePoint web solutions. Tier III support for operating systems, applications, and web based middleware. Tested, deployed, and promoted Internet and Intranet facing custom developed .NET applications to SIT, UAT, DR, and production environments. Engineered and deployed security standards. Produced implementation plans, solution proposals, impact assessments, and other architectural documentation as required.

Initiatives and Deployed Technologies

- MOSS 2003/2007
- F5 Administration
- IBM DataPower Gateway
- Custom Visual Studio Development. Architected the Corporate and Investment Banking SharePoint web hotel in support of equity research. www.wellsfargoresearch.com



Wachovia – Corporate and Investment Banking IT, Charlotte, NC

Server Administrator

(August 01- February 08)

Performed engineer planning for over 300 Intel application servers and over 400 geographically dispersed infrastructure servers which supported the global Corporate and Investment banking

group. Twenty four by seven 3rd level support for Microsoft OS and application support for international and domestic supported business units. Three major markets were supported Asia, Europe/Africa, and the America's. Project manager for investment banking merger and acquisitions IT work and data center build out initiatives.

Initiatives and Deployed Technologies

- Active Directory – File, Print, and MS Exchange
- Project Management
 - Mergers and Acquisitions – CoreStates, SouthTrust, and Golden West Financial
 - Data Center Constructs – 375 Park Avenue, 550 South Tryon, and 1 Wells Fargo
 - Trading Floor Constructs – Baltimore, New York, Philadelphia, and Charlotte
- Windows and Linux Server administration
- Visual Studio Development
- Database Administration – Sybase, MS SQL, and Oracle

 **First Union** – Corporate and Investment Banking IT, Philadelphia, PA

Regional Server Administrator *(January 00-August 01)*

Intel infrastructure and application server administrator. Managed over 120 domestic and international servers for 23 offices. Twenty four by seven 3rd level support for supported systems. Project and technical lead for the international division's emerging application development projects.

Purchasing Analyst *(December 97-January 00)*

Placed purchase orders for software, telecommunications, LAN/WAN, UNIX, and Wintel based infrastructure for technology services. Negotiated contract and sales orders.

Piedmont Technology Group, Charlotte, NC

Pre-Sales Support *(August 95-December 97)*

Assisted sales team with pre-sales orders, delivery, and set up of Sun Microsystems servers.

Formal Education

Masters of Science Certificate

Course of study: **Management of IT**

The University of North Carolina at Charlotte
May 2005

BS/BA in Business Administration

Course of study: **Management**

The University of North Carolina at Charlotte
May 1997

Professional Areas of Interest

Cloud Strategies & Technologies - Office 365, Amazon Web Services, and Microsoft Azure

Enterprise Architecture - TIAA Architecture Review Board Voting Member

Project Management – Agile and Waterfall methodologies

Systems Integration - 2014 & 2016 GCST IT Innovation Award Recipient

Business Information Systems Development

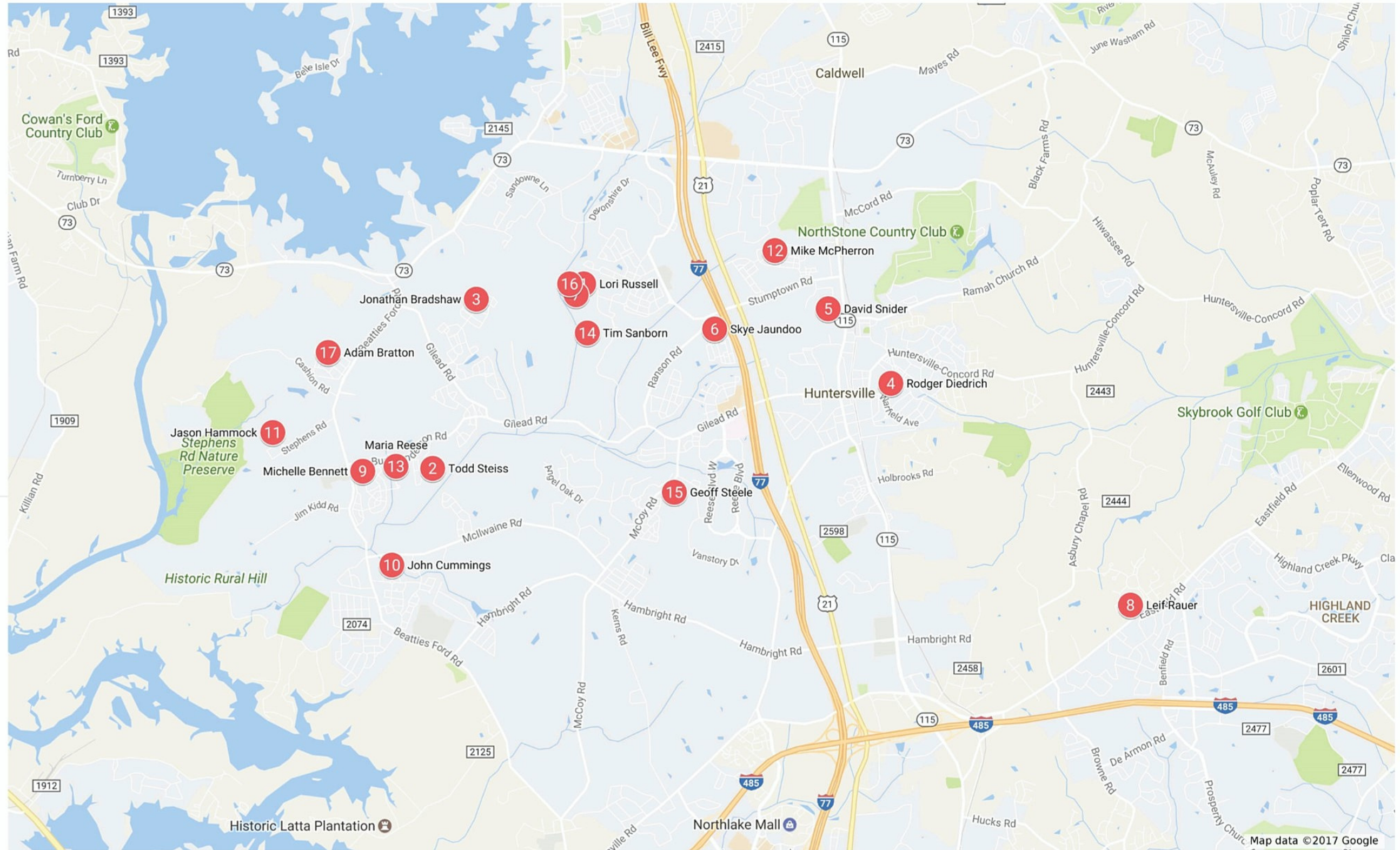
Information Technology Security

April 2017 GTBC & Candidates

GTBC 2017

- 1 Lori Russell
- 2 Todd Steiss
- 3 Jonathan Bradshaw
- 4 Rodger Diedrich
- 5 David Snider
- 6 Skye Jaundoo
- 7 Frank Gammon
- 8 Leif Rauer
- 9 Michelle Bennett
- 10 John Cummings
- 11 Jason Hammock
- 12 Mike McPherron
- 13 Maria Reese
- 14 Tim Sanborn
- 15 Geoff Steele
- 16 Elizabeth Fischthal
- 17 Adam Bratton

#'s 1-8 are
current commissioners
#'s 9-17 are new
applicants



Town of Huntersville
REQUEST FOR BOARD ACTION
4/17/2017

REVIEWED:

To: The Honorable Mayor and Board of Commissioners
From: Jackie Huffman/Chief Spruill
Subject: Budget Amendment

Appropriate funds received in the amount of \$30,830.12 from Lake Norman Charter School (per agreement for security services) for the months of August 2016 to January 2017. Funds will be appropriated to the Police Department's budget for overtime, benefits and vehicle costs.

ACTION RECOMMENDED:

Approve Budget Amendment.

FINANCIAL IMPLICATIONS:

Additional revenue in the amount of \$30,830.12 and School Resource Officer related expenses; no net impact to General Fund Balance.