Award Number: DAMD17-02-1-0670

TITLE: Cell Growth and Survival in Ovarian Epithelial Cancer Core A

PRINCIPAL INVESTIGATOR: Santo V. Nicosia, M.D.

CONTRACTING ORGANIZATION: University of South Florida
Tampa, Florida 33620

REPORT DATE: August 2003

TYPE OF REPORT: Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

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  Cell Growth and Survival in Ovarian Epithelial Cancer Core A

### 6. AUTHOR(S)
  Santo V. Nicosia, M.D.

### 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
  University of South Florida
  Tampa, Florida 33620

  E-Mail: snicosia@hsc.usf.edu

### 9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)
  U.S. Army Medical Research and Materiel Command
  Fort Detrick, Maryland 21702-5012

### 11. SUPPLEMENTARY NOTES

### 12. ABSTRACT (Maximum 200 Words)
This Core provides the Program Project investigators with oversight and coordination of the scientific, administrative, fiscal, and regulatory aspects of their individual projects. During the initial period of funding, the Core Director has been individual projects. During the initial period of funding, the Core Director has been responsible for organizing regular monthly meetings with Principal Investigators and ad hoc meetings with members of the Internal Steering Committee. The date of the 1st joint meeting of the Program Project investigators, members of the Internal Steering Committee and of the External Advisory Board has been finalized and will take place on November 13-14, 2-3. The Core has assisted investigators with periodic gathering and maintenance of IRB, Animal Care and Radiation Safety approvals, monthly reports of expenditures, documentation of scientific productivity including publication of 8 manuscripts and new grant submissions (2 new grant proposals), as well as preparation of the current Progress Report. A time-consuming but important responsibility of the Core has also been that of organizing several presentation by invited speakers on a number of cutting-edge, scientific and technological, topics related to ovarian epithelial cancer. Finally, a change in leadership of Project #3 (co-PI to PI) is anticipated beginning Year 02 secondary to a shift of this project’s PI to more diagnostically-oriented activities.

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  DOD. PP.

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Introduction

The main function of the Administration Core is that of facilitating the realization of the cumulative vision of the Program Project Director and Principal Investigators. During the initial period of funding, the Core has performed all administrative tasks required for a successful program and has provided the investigators with highly experienced internal and external advice and with a functional structure fostering intra-programmatic scientific interaction. The Core has also fostered a scholarly and scientific-rich environment by organizing several Grand Rounds and lectures and by developing graduate and post-graduate programs in ovarian pathobiology.

Body

Since receipt of first year funding (September 2002), the Administration Core has provided scientific leadership as well as administrative and financial oversight for all components of this Program Project. The Core continues to evaluate progress and stimulate interaction among all investigators and has periodically provided oversight in issues of regulatory nature including IRB, Animal Care, Radiation Safety and Human Subject Protection. Regular monthly meetings of Program Project investigators have been held and dealt with various issues including administration, budget and up-to-date research reports. In addition, weekly research meetings have taken place within individual laboratories. A cadre of outstanding speakers has been invited to deliver cutting-edge lectures on scientific and methodological topics dealing with ovarian cancer or related issues (Table 1). One of such lectures has been the Annual George Wilbanks Lecture in Gynecologic Oncology given by Dr. Thomas Hamilton of the Fox Chase Cancer Center on the very timely topic of a newly developed Mouse Model of Ovarian Epithelial Cancer. While ad hoc meetings with members of the Internal Steering Committee have taken place so far, the first joint meeting of the Program Project's Internal Steering Committee and the External Scientific Advisory Board has been finalized for November 13-14, 2003 (see Appendices). A multidisciplinary graduate course on the Pathobiology of Human Cancer has been developed with the interactive participation, among other faculty members, of all Program Project Investigators. Finally, the productivity of the Program Project investigators has been significant with 2 submitted grant proposals on Akt2 Oncogenesis (Cheng-NIH) and Telomerase-Apoptosis in Ovarian Cancer (Kruk-DOD), 8 manuscripts and 11 presentations at national meetings.

Table 1. List of Invited Speakers: 2002-2003

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex A. Adjei, M.D., Ph.D. Mayo Clinic and Foundation</td>
<td>“Clinical Studies with Farnesyltransferase Inhibitors” 2002</td>
</tr>
<tr>
<td>J. Michael Bishop, M.D. University of California San Franscico</td>
<td>“Modeling the Molecular Pathogenesis of Cancer” 2002</td>
</tr>
<tr>
<td>Rebecca Anderson, M.S. University of Florida</td>
<td>“The use of simulated Microgravity to Enhance Cell Adhesion” 2002</td>
</tr>
<tr>
<td>Robert E. Scully, M.D. Massachusetts General Hospital Boston, MA</td>
<td>“Carcinoma and Hyperplasia of the Endometrium” 2002</td>
</tr>
<tr>
<td>Anna Plaas, Ph.D. USF College of Medicine Department of Anatomy</td>
<td>“The Extracellular Matrix – A Continuum from Ground substance to Molecular Modules for Cell Signalling” 2002</td>
</tr>
<tr>
<td>Name</td>
<td>Institution/University</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>------------------------------------------------</td>
</tr>
<tr>
<td>Ming Zhang, Ph.D.</td>
<td>Baylor College of Medicine Houston, TX</td>
</tr>
<tr>
<td>Andrew Godwin, M.D.</td>
<td>Fox Chase Cancer Center Philadelphia, PA</td>
</tr>
<tr>
<td>Michelle Y. Alfonso-De Matte</td>
<td>USF College of Medicine Department of Pathology</td>
</tr>
<tr>
<td>Heehyoung Lee, Ph.D.</td>
<td>USF College of Medicine Department of Pathology</td>
</tr>
<tr>
<td>Thomas Franke, M.D., Ph.D.</td>
<td>Columbia University New York, NY</td>
</tr>
<tr>
<td>Dilhua Yu, M.D., Ph.D.</td>
<td>University of Texas M.D. Anderson Cancer Center, Houston, TX</td>
</tr>
<tr>
<td>Chunying Du, Ph.D.</td>
<td>Stowers Institute for Medical Research Kansas City, Missouri</td>
</tr>
<tr>
<td>Johnathan M. Lancaster, M.D.</td>
<td>Duke University Medical Center Durham, NC</td>
</tr>
<tr>
<td>Karin D. Rodland, Ph.D.</td>
<td>Oregon Health Sciences University Portland, Oregon</td>
</tr>
<tr>
<td>Terry G. Unterman, M.D.</td>
<td>University of Illinois College of Medicine Chicago, Illinois</td>
</tr>
<tr>
<td>Christopher C. Taylor, Ph.D.</td>
<td>Georgetown University School of Medicine Washington, DC</td>
</tr>
<tr>
<td>Kenneth J. Bloom, M.D.</td>
<td>US Labs Irvine, CA</td>
</tr>
<tr>
<td>Scott L. Friedman, M.D.</td>
<td>Mt. Sinai School of Medicine New York, NY</td>
</tr>
<tr>
<td>Xiang-Xi Michael Xu, Ph.D.</td>
<td>Fox Chase Cancer Center Philadelphia, PA</td>
</tr>
<tr>
<td>Zengqiang Yuan, M.D.</td>
<td>USF College of Medicine Department of Pathology</td>
</tr>
</tbody>
</table>
Other Administration Core Activities

The Administration Core Director has negotiated with the University of South Florida College of Medicine and the Moffitt Cancer Center the future joint recruitment of a basic scientist with experience in developmental molecular biology, including morphogenesis, as it relates to ovarian epithelial oncogenesis. Such a recruitment will expand and complement the existing expertise (Akt, telomerase/survivin, IGF1-R/ascorbyl stearate, vitamin D/RXR, angiogenesis) within our Ovarian Epithelial Cancer Pathobiology Program.

Dr. James Fiorica, Leader of the Gynecologic Oncology Program at the Moffitt Cancer Center, has recently recruited Dr. John Mark Lancaster from Duke University. Dr. Lancaster is a young clinical investigator with expertise in ovarian cancer genetics and genomics. He has previously collaborated with Dr. Andrew Berchuck, a well-known investigator of ovarian cancer biology. Dr. Lancaster brings translational expertise to the Gynecologic Oncology and Ovarian Epithelial Cancer Pathobiology Programs (see Appendices). Collaboration with Dr. Lancaster has already begun in the area of gene expression in early ovarian epithelial cancer. Significantly, Dr. Lancaster brings to the Program a database of over 130 well-characterized ovarian cancer specimens and 2 informative microarray gene lists.

Other Administrative Issues

The Program Project and Administrative Core Director, Dr. Nicosia, has recently notified the DOD Contracting/Grants Officer that Dr. Domenico Coppola, Principal Investigator in Project #3 of the above-funded Program Project has accepted a position of Medical Director in a diagnostic pathology laboratory in Tampa effective August 1, 2003 (see Appendices). He will continue to be a member of the Ovarian Epithelial Cancer Pathobiology Program in the Department of Pathology at the University of South Florida College of Medicine at the rank of Associate Professor, Affiliate Faculty. He will continue to have access to research laboratory space (Program project Director, Dr. Nicosia, and Project #1 P.I., Dr. Cheng), technical personnel and core facilities as well participate in periodical laboratory research meetings. Therefore, his total involvement in the above project will be by necessity diminished.

After serious consideration, the Core Administration believes that the best course of action is to have Dr. Jin Cheng, already a Co-PI in this project, and Dr. Santo Nicosia to become PI and co-PI, respectively, in Project #3 of DAMD17-02-1-0670. This project has a heavy emphasis on Akt-related mechanisms of action and Dr. Cheng is a recognized expert in this area. Likewise,
the project has significant biological and animal components and Dr. Nicosia has a long and documented track record of expertise in both areas. Drs. Cheng and Nicosia have a history of successful collaboration and will see that all Tasks of project #3 will be successfully carried out, with the assistance of the listed technical personnel and the scientific advice of Dr. Coppola who will remain involved in the project as a co-PI without salary.

**Key Research Accomplishments**

1. Finalization of 1st Annual Retreat of Internal Steering Committee External Scientific Advisory Board (11/13-14/03, 2003)
2. Seminar series with focus on ovarian cancer and closely related topics (20 speakers)
3. Oversight of scientific productivity with 8 manuscripts, 11 abstracts and 2 submitted grant proposals
4. Development of graduate course in Pathobiology of Human Cancer with emphasis on reproductive neoplasms, including ovarian epithelial cancer
5. Garnered support for recruitment of new faculty in the Ovarian Epithelial Cancer Pathobiology Program
6. Sustained administrative and fiscal management

**Reportable Outcomes**

**Manuscripts (see Appendices)**

8. Naidu KA, Sun M, Dan HC, Nicosia SV, Cheng JQ, and Coppola D. Ascorbyl Stearate Inhibits Proliferation and Induces Apoptosis of Human Ovarian Carcinoma Cells by Targeting PI3K/AKT Pathway (manuscript in preparation)
Abstracts


Conclusions

Since receipt of initial funding, the Administration Core has executed the goals stated in the original Program Project proposal by providing administrative and fiscal oversight and ensuring compliance of investigators and staff in regulatory issues. Success has been achieved in scientific productivity, including accepted manuscripts and new grant submission, and in scholarly activities related to ovarian cancer pathobiology, including a series of outstanding seminars and a newly developed graduate course. Finally, negotiations with local institutions have resulted in the approval of recruiting plans for a new ovarian cancer-oriented basic scientist and a faculty with expertise in translational ovarian cancer research has recently joined the institution. Such administrative efforts are essential to the continued success of our Ovarian Epithelial Cancer Pathobiology Program whose investigators are collectively striving to unravel the mechanisms of ovarian epithelial oncogenesis.
Appendices

1. Announcement and Schedule of 1st Internal Steering Committee and External Scientific Advisory Board Meeting
2. Letter to Patricia Evans, DOD Contracting/Grants Officer
3. *Curricula vitarum*
Your presence is requested at the

Internal Steering Committee and
External Scientific Advisory Board Meeting

to be held

November 13 & 14, 2003

The Department of Defense Program Project entitled

“Cell Growth and Survival in Ovarian Epithelial Cancer”

Sponsored by the Department of Pathology and Laboratory Medicine at the University of South Florida College of Medicine
Santo V. Nicosia, M.D. Professor and Chairman, DOD Program Project Director
DOD Program Project
Internal Steering Committee and
External Scientific Advisory Board Meeting

Thursday, November 13, 2003

6:30 pm    Evening Dinner at Berns Steakhouse

Friday, November 14, 2003

8:00am       BREAKFAST
8:30am    Welcome from Robert M. Daugherty, M.D. Dean, College of Medicine
8:40am    Introduction of Overall Program – Santo V. Nicosia, M.D.
   ➢ Presentation (10 minutes)
   ➢ Discussion (10 minutes)
9:00am    AKT2 Oncogene and its associated protein, APBP, in human ovarian cancer -
   Jin Q. Cheng, M.D., Ph.D.
   ➢ Presentation (15 minutes)
   ➢ Discussion (15 minutes)
9:30am    The Anti-Apoptotic Role of Telomerase in Ovarian Cancer – Patricia Kruk, Ph.D.
   ➢ Presentation (15 minutes)
   ➢ Discussion (15 minutes)
10:00am    BREAK
10:15am    Ascorbyl stearate inhibits proliferation and induces apoptosis of human ovarian carcinoma cells – Domenico Coppola, M.D.
   ➢ Presentation (15 minutes)
   ➢ Discussion (15 minutes)
10:45am    Inhibition of Ovarian Epithelial Cancer Cell Growth by Vitamin D
   Wenlong Bai, Ph.D.
   ➢ Presentation (15 minutes)
   ➢ Discussion (15 minutes)
11:15am    Core A: Administration & Core B: Pathology – Santo V. Nicosia, M.D.
   ➢ Presentation (15 minutes)
   ➢ Discussion (15 minutes)
11:45pm    LUNCH
12:45pm    Visit USF Laboratories (Drs. Bai, Cheng, Kruk, Nicosia & Pathology Core)
1:30pm    Visit Moffitt Laboratories
2:30pm    Executive Session
August 5, 2003

Patricia A. Evans  
Contracting/Grants Officer  
Department of the Army  
US Army Medical Research Acquisition Activity  
820 Chandler Street  
Fort Detrick, Maryland 21702-5014

Subject: DAMD17-02-1-0670

Dear Commander:

This is to notify that Dr. Domenico Coppola, Principal Investigator in Project #3 of the above funded Program Project has accepted a position of Medical Director in a diagnostic pathology laboratory in Tampa effective August 1, 2003. He will continue to be a member of the Ovarian Epithelial Cancer Pathobiology Program in the Department of Pathology at the University of South Florida College of Medicine at the rank of Associate Professor, Affiliate Faculty. Although he will continue to have access to research laboratory space (mine and Project #1 P.I., Dr. Cheng), technical personnel and core facilities as well participate in periodical laboratory research meetings, his total involvement in the above project will diminish.

After serious consideration, I believe that the best course of action is to have Dr. Jin Cheng, already a co-PI in this project, and myself to become PI and co-PI, respectively, in Project #3 of DAMD17-02-1-0670. This project has a heavy emphasis on Akt-related mechanisms of action and Dr. Cheng is a recognized expert in this area. Likewise, the project has significant biological and animal components and I have a long and credible track record of expertise in both areas. Dr. Cheng and I will see that all project #3 Tasks will be carried out with the assistance of the listed technical personnel and the scientific advice of Dr. Coppola who will remain involved in the project as a co-PI without salary.

I trust that you will approve the requested reassignment of personnel and funds. Such an intervention will ensure unabated continuation of the proposed work. The present request is being incorporated into our 1st annual report of DAMD17-02-1-0670 due August 7, 2003.
I look forward to hearing from you and I remain,

Sincerely yours

[Signature]

Santo V. Nicosia, M.D.
Professor and Chairman
Program Project Director

[Signature]

Priscilla Pope
Associate Vice President for Research
University of South Florida

SVN

cc.: Judy Pawlus, Technical Editor
Department of the Army
CURRICULUM VITAE

SANTO V. NICOSIA, M. D.

Birth Date: December 12, 1943

Office Address: Department of Pathology and Laboratory Medicine
University of South Florida College of Medicine
12901 Bruce B. Downs Blvd., MDC Box 0011
Tampa, Florida 33612
813/974-2745 fax: 813/974-5536
snicosia@hsc.usf.edu

and

Pathology Service Room 20711
H. Lee Moffitt Cancer Center and Research Institute
at the University of South Florida
12902 Magnolia Drive
Tampa, Florida 33612
813/972-4673 exts. 1954/2942

Marital Status: Married (1969)
Wife: Louise Mary Pineider
Children: Lydia Mary (1970)
Lara Ann (1974)
Nicole Claudia (1976)

Military Status: S.S. No. 11.12.43.89, Class 1-A

Languages: English, Italian, French, and Spanish (understanding and reading)

EDUCATION:

1961 – 1967 M.D. (Medicine), Catholic University of the Sacred Heart
School of Medicine and Surgery, Rome, Italy

1969 – 1971 M.S. (Pathology), University of Illinois at the Medical Center,
Chicago, Illinois (Dr. H. R. Catchpole, Research Advisor)
<table>
<thead>
<tr>
<th>Year Range</th>
<th>Event</th>
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<tbody>
<tr>
<td>1956 – 1961</td>
<td>M.C. (Classical Studies and Sciences), Leonardo da Vinci High School, Catania, Italy</td>
</tr>
<tr>
<td></td>
<td><strong>POSTGRADUATE TRAINING:</strong> (RESIDENCIES AND INTERNSHIPS)</td>
</tr>
<tr>
<td>April 1969 – June 1972</td>
<td>Residency in Anatomic Pathology (Department of Pathology, Dr. Conrad L. Pirani, Chairman. Michael Reese Hospital and Medical Center, Chicago, Illinois)</td>
</tr>
<tr>
<td>January – December 1968</td>
<td>Residency (1 year Gynecology) in Obstetrics and Gynecology. (Department of Obstetrics and Gynecology, Dr. Adriano Bompiani, Chairman. Catholic University Hospital, Rome, Italy)</td>
</tr>
<tr>
<td>July – December 1967</td>
<td>Rotating Internship (Catholic University Hospital, Rome, Italy)</td>
</tr>
<tr>
<td></td>
<td><strong>POSTGRADUATE TRAINING:</strong> (OTHER)</td>
</tr>
<tr>
<td>February 2002</td>
<td>Certificate of Environmental Compliance sponsored by the Environmental Compliance Department, USF College of Medicine, February 20, 2002.</td>
</tr>
<tr>
<td>January 2002</td>
<td>GRIPE 2002 Winter Meeting, January 16-19, 2002, USF College of Medicine, Tampa, FL</td>
</tr>
<tr>
<td>July 2001</td>
<td>Pathology Role in Educating the Healer. I. The Pathology Residency Moving from a 5 year training to a Competency Model. II. How we teach and why. III. How do you do it; A) Session not just for new chairs. IV. Rules and Regulations Impacting our Departments. Association of Pathology Chairs APC/PRODS/PDAS/GRIPE, July 25-28, 2001 Park City, Utah.</td>
</tr>
<tr>
<td>July 2000</td>
<td>I. Ivory Tower, Inc. – Getting Started; II. Changing Partners and Creating Partners/Competitors – Mergers and Acquisitions and Helpful/Harmful Spin Offs; III. The 5th Year of Pathology Training - What are the Options?; IV. Keynote: The IOM Reports and its Implications for Pathology; V. Incentivizing Clinical Faculty and Staying Legal; VI. UAREP Workshop – Emerging Opportunities in Academic Pathology: Money Businesses vs. Monkey Businesses?, Association of Pathology Chairs, APC/PRODS/PDAS Meeting 2000, July 26-29, 2000, Boulder, Co.</td>
</tr>
</tbody>
</table>
July 1999

I. Funding for Residency Training; II. Informatics Workshop; III. Emerging Technologies; IV. Intellectual Property Workshop; V. Factors Shaping the Future of Pathology “Millennium Musing on Training the Future Pathologist”, Association of Pathology Chairs, APC/PRODS, July 20-24, 1999, Boulder, CO.

June 1999


February 1999

First International Symposium on Ovarian Cancer, M. D. Anderson Cancer Center at the University of Texas, February 3-5, 1999, Houston, TX.

January 1999

I. In situ PCR; II. Ultrapositive ISH; III. Spectral Imaging SKY/SPY; IV. Cases Capture Microdirection; V. FISH; VI. ISH CD ROM: The 7th International Conference and Workshop on Molecular Morphology, January 10-15, 1999, Santa Fe, NM.

September 1998

I. Current Payment and Practice Expense Issues; II. Preparation of Residents for Academic Careers in Anatomic, Clinical and Subspecialty Pathology; III. Coding and Billing in an Academic Medical Center, Legal Parameters of Coding and Reimbursement: Southeastern Association of Pathology Chairs and Managers, September 23-26, 1998, Nashville, TN.

July 1998

I. Pathology Curriculum and the Client’s Expectations; II. Use of Computers in Undergraduate Pathology Education; III. Opportunities for Funding the Research Enterprise in Pathology; IV. Graduate and Undergraduate Pathology Education: PRODS, GRIPE and NBME Perspectives Association of Pathology Chairs/PRODS/GRIPE, July 22-25, 1998, Boulder, CO.

October 1997

I. Faculty Incentive Plans; II. Working with Commercial Laboratories; III. Absorptions and Mergers at the Department Level: Southeast Association of Pathology Chairs, 1997 Annual Meeting, October 16-18, 1997, Perdido Beach, AL.

July 1997

Association of Pathology Chairs/PRODS, July 23-26, 1997, Lake Tahoe, CA.

July 1996

I. Mergers and Alliances in Academic Pathology; II. Approaching the Era of Molecular Diagnosis: DNA vs. Glass; III. Training in Pathology; IV. Telepathology: New Opportunities for Pathology Service Providers: Association of Pathology Chairs/PRODS, July 24-27, 1996, Vail, CO.

July 1996

Six Hats Workshop. Association of Pathology Chairs/PRODS, July 23, 1996, Vail, CO.

February 1996

September 1992  Total Quality Management. Southeastern Association of Pathology Chairmen, Belmont Hotel, Bermuda.

April 1992  Total Quality Management in the Hospital. The Center for Executive Education at Babson College, Boston, MA.

March 1990  Recent Advances in Molecular Pathology. Fifth Annual Workshop, Boston, MA (Course Directors: H.L. Wolfe and H. Hofler).

March 1989  Finance and Accounting for the Non-Financial Manager. Aresty Institute of Executive Education. The Wharton School of the University of Pennsylvania, Philadelphia, PA.

February 1987  Aspiration Biopsy. The European and American Experience. Annenberg Center for Health Sciences at Eisenhower Medical Center, Rancho Mirage, CA.

February 1987  First International Conference and Workshop on Artificial Intelligence Systems as Diagnostic Consultants for the Cytologic and Histologic Diagnosis of Cancer (Sponsored by the International Academy of Cytology, the American Society of Cytology and the University of Chicago, University City, CA).

April 1985  Fine Needle Aspiration Cytology Workshop (Dr. William L. Betsill, Jr., Director)

July 1984  Tutorial on Clinical Cytology (The University of Chicago, Chicago, IL).

May – June 1984  Visiting Associate Professor in Aspiration Biopsy Cytology (with Dr. William J. Frable, Department of Pathology, Medical College of Virginia, Richmond, VA).

February – March 1984  Training in Aspiration Biopsy Cytology (with Dr. Tilde E. Kline, Department of Pathology, The Lankenau Hospital, Philadelphia, PA).

June 1982  Workshop on Hybridomas and Monoclonal Antibodies (Gencom Assoc., Bethesda, MD).

March – April 1982  Twenty-third Institute in Clinical Cytopathology for Pathologists (The Johns Hopkins University School of Medicine and the Johns Hopkins Hospital, Baltimore, MD).


March 1981  Immunopathological Techniques in Diagnostic Pathology (One-day course. International Academy of Pathology, 70th Annual Meeting, Chicago, IL).
October 1977  Course and Workshop on Clonal Culture (W. Alton Jones Cell Science Center, Lake Placid, NY).

March 1977  Workshop on Cell Separation (W. Alton Jones Cell Science Center, Lake Placid, NY).

May 1975  Course on Cell Separation (W. Alton Jones Cell Science Center, Lake Placid, NY).

July 1973  Course and Workshop on Animal Organ Culture (W. Alton Jones Cell Science Center, Lake Placid, NY).

November 1972  Course on Advanced Electron Microscopy (Armed Forces Institute of Pathology, Biophysical Branch, Washington, DC).

**Licensures:**

December 1980  FLEX (Licenses: No. ME-0051432, Florida; No. MD-026379-E, Pennsylvania, inactive; No. 036-061713, Illinois, inactive)

February 1969  ECFMG (Certificate No. 105-015-2)

**Specialty certifications:**

August 1990  Cytopathology

December 1978  Anatomic Pathology

**Fellowship appointments:**

July 1972 – June 1973  USPHS Trainee in Reproductive Biology (Department of Obstetrics and Gynecology, Dr. Luigi Mastroianni, Jr., Chairman. University of Pennsylvania School of Medicine, Philadelphia, PA)

**Faculty appointments:**

June 2000 – Present  Professor, Interdisciplinary Oncology Program, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

July 1993 – Present  Senior Member-In Residence, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

June 1993 – Present  Professor, Department of Obstetrics and Gynecology, University of South Florida College of Medicine, Tampa, FL

August 1984  Professor, Department of Pathology, University of South Florida College of Medicine, Tampa, FL
July 1979 – July 1984  Associate Professor, Department of Obstetrics and Gynecology and Department of Pathology, University of Pennsylvania School of Medicine, Philadelphia, PA

Summers 1976, 1978, 1979  Principal Investigator, Marine Biological Laboratory, Woods Hole, MA

July 1973 – June 1979  Assistant Professor, Department of Obstetrics and Gynecology and Department of Pathology, University of Pennsylvania School of Medicine, Philadelphia, PA

**ADMINISTRATIVE APPOINTMENTS:**

2002 – present  Director, Histopathology Core Laboratory, NCI-Comprehensive H. Lee Moffitt Cancer Center and University of South Florida College of Medicine, Tampa, FL

2000 – 2001  Pathology Program Leader, Interdisciplinary Oncology Program, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida College of Medicine, Tampa, FL

1999 – 2002  Secretary-Treasurer, American Society of Cytopathology

1997 – 2002  Director, Pathology Core Facilities, NCI-Comprehensive H. Lee Moffitt Cancer Center and University of South Florida College of Medicine, Tampa, FL

1996 – Present  Leader, Ovarian Epithelial Cancer Pathobiology Program, Department of Pathology, University of South Florida College of Medicine

September 1995 – Present  Chairman, Department of Pathology and Laboratory Medicine, University of South Florida College of Medicine, Tampa, FL

September 1995 – Present  Director, Diagnostic Histopathology Laboratory, Department of Pathology, University of South Florida College of Medicine, Tampa, FL

June 1989 – February 2001  Chief, Pathology Services, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

January 1995 - August 1995  Acting Chairman, Department of Pathology and Laboratory Medicine, University of South Florida College of Medicine, Tampa, FL

September 1993 - November 1993  Interim Chairman, Department of Pathology and Laboratory Medicine, University of South Florida College of Medicine, Tampa, FL

January 1991 -  Vice Chairman, Department of Pathology and Laboratory

January 1995  Medicine, University of South Florida College of Medicine, Tampa, FL
1986 – 1997  Director, Division of Cytopathology, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1988 – Present  Consultant, Department of Pathology, J. A. Haley VA Hospital, Tampa, FL

1984 – 1988  Chief, Section of Cytopathology, Department of Pathology, J. A. Haley VA Hospital, Tampa, FL

1973 – 1984  Director, Electron Microscopy Unit, Division of Reproductive Biology, Department of Obstetrics and Gynecology, University of Pennsylvania School of Medicine, Philadelphia, PA

COMMITTEE SERVICES:
As Chairman:

1998 – 2000  VA Committee, Association of Pathology Chairs

1998 – 1999  Membership Committee, American Society of Cytopathology


1993  Ad Hoc Administrative Liaison Committee, Department of Pathology, University of South Florida College of Medicine, Tampa, FL

1990 – 1993  Constitution and By-Laws Committee, American Society of Cytology

1990 – 1995  Scientific Review Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1989 – 1996  Didactic Tumor Conferences Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1987 – Present  Fellowship Committee, Department of Pathology, University of South Florida College of Medicine, Tampa, FL

1986 – Present  Faculty Search Committee, Department of Pathology, University of South Florida College of Medicine, Tampa, FL

As Coordinator:

2002-2003  University of South Florida College of Medicine Annual Faculty and Staff Campaign

1994 – 1997  Project Team Leader, Operating Policies for Students and Residents, Clinical Practice Council USF Physicians, University of South Florida College of Medicine, Tampa, FL
1992 - 1999  Tissue Procurement Service Committee (with Dr. W. J. Pledger). H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1992 - 1993  Basic Science Research Program. H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

As Member:

2003 - Present  ASC Member Local Area Committee, Orlando, Florida

2001 - present  University of South Florida College of Medicine Development Committee


2000 - present  University of South Florida College of Medicine Clinical Operations Group

2000 - present  University of South Florida Basic Science Chairs Committee

1999 - present  Ex-officio, Nominating Committee, Budget and Finance Committee, American Society of Cytopathology.

1999- present  Managed Care Committee, University of South Florida Physicians Group

1999-2000  Strategic Planning Committee, American Society of Cytopathology

1999  Tower Project Leadership, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL

1998  Search Committee, Chief of Pathology and Laboratory Medicine, James A. Haley VA Hospital, Tampa, FL

1998  Proctor, Cytopathology Certification, American Board of Pathology, Tampa, FL

1997 - Present  Finance Committee, University of South Florida Physicians Group

1997 - Present  Chair Representative, USFPG Finance Committee, University of South Florida College of Medicine, Tampa, FL

1997 - Present  UAREP Research Committee, American Association of Pathology Chairs

1997 - 2001  Scientific Leadership Council, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL

1995 - Present  Physician Group Operations, University of South Florida College of Medicine, Tampa, FL
1994 - 1995 Clinical Practice Council, University of South Florida College of Medicine, Tampa, FL
1993 - Present Executive Committee, American Society of Cytology
1993 - 1994 UMSA Group Practice Board of Directors, University of South Florida, Tampa, FL
1995 - Present Florida College of Medicine, Tampa, FL
1993 - Present Advisory Committee, Lifetime Cancer Screening, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL
1993 - Present Trustee, James N. Patterson Research and Education Fund of the Southwest Florida Blood Bank, Tampa, FL
September 1993 - November 1993 Executive Council, University of South Florida College of Medicine, Tampa, FL
1995 - Present
September 1993 - November 1993 Board of Directors, University of South Florida College of Medicine, Service Support Corporation, Tampa, FL
1995 - Present
September 1993 - November 1993 Dean’s Committee, University of South Florida College of Medicine, Tampa, FL
1995 - Present
1993 - 2001 Clinical Affairs Council, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL
1993 - Present Search Committees, Medical Oncology/Radiology/Genitourinary Surgical Oncology, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL
1993 - Present Pathology Alumni Foundation, University of South Florida College of Medicine, Tampa, FL
1993 - 1994 Search Committee, Harold H. Davis Chair in Basic Research, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL
1992 - 1993 Clinical Practice Development Committee, University Medical Services Association (UMSA), University of South Florida College of Medicine, Tampa, FL
1991 -1993 Cancer Center Steering Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL
1991 – 1994  
Committee on Rank and Tenure, University of South Florida College of Medicine, Tampa, FL

1991 – Present  
Gynecology Oncology Group, Pathology Review, University of South Florida College of Medicine, Tampa, FL

1991 – 1995  
Faculty Council, University of South Florida College of Medicine, Tampa, FL

1991 – 1992  
Medical Clinic Laboratory Committee, University of South Florida College of Medicine, Tampa, FL

1990 – 1991  
Outpatient Services Planning Committee, University of South Florida College of Medicine, Tampa, FL

1990 – 1993  
Space Utilization Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1990 – 1992  
Strategic Planning Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1990 – 1992  
Physician Advisory Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1990 – Present  
Residency Review Committee, University of South Florida College of Medicine, Tampa, FL

1990 – 1991  
Ambulatory Care Charges Task Force, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1990 – 1991  
Nominating Executive Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1989 – 1992  
Cancer Board, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1989 – 1991  
At Large, Executive Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1989 – 1990  
Scientific Review Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1988 – 1991  
Infectious Disease Control Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1989 – 1990  
Pharmacy and Therapeutics Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL

1988 – 1993  
Ethics Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL
1987 – Present  Admission Committee Interviewing Panel, University of South Florida College of Medicine, Tampa, FL
1986 – 1995  Promotion and Rank Committee, Department of Pathology, University of South Florida, Tampa, FL
1986 – Present  Executive Committee, Department of Pathology, University of South Florida College of Medicine, Tampa, FL
1985 – Present  Graduate Faculty, University of South Florida College of Medicine, Tampa, FL
1989 – 1992  Faculty Senate, University of South Florida College of Medicine, Tampa, FL
1989 – 1992  Faculty Senate, University of South Florida, Tampa, FL
1986 – 1990  Research and Development Committee, James A. Haley VA Hospital, Tampa, FL
1987 – 1989  Special Care Committee, H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida, Tampa, FL
1977 – 1981  Admission Committee Interviewing Panel, University of Pennsylvania School of Medicine, Philadelphia, PA

TEACHING AND TRAINING EXPERIENCE:
University of South Florida College of Medicine:

2002 – 2003  Member, Committee for Doctor of Pathology Degree in Medical Sciences (Pathology). Ms. Feng Jiang
2002 – 2003  Member, Committee for Doctor of Pathology Degree in Medical Sciences (Pathology). Mr. Zengqiang (Wilson) Yuan
2001 – 2002  Member, Committee for Doctor of Pathology Degree in Medical Sciences (Pathology). Mrs. Heehyoung Lee
2000 – Present  Participating Faculty. Radioguided Surgery Course. H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL.
1993 – Present  Participating Faculty. Thoracic Oncology Program, Neurooncology Program and Gynecologic Oncology Program, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL
1992 – 1996  Participating Faculty. Clinico-Pathological Conferences on Gynecologic Endocrinology, Tampa General Hospital, Tampa, FL
1992 – 1996  Participating Faculty. Clinico-Pathological Conferences on Endometrial Pathology, Tampa General Hospital, Tampa, FL
1991 – Present
Supporting Faculty, Fellowship in Reproductive Endocrinology

1989 – Present
Participating Faculty, Moffitt Cancer Center’s Oncology Forum for Physicians

1987 – Present
Participating Faculty, Clinico-Pathological Conferences on Breast Cancer Management

1987 – Present
Supporting Faculty, Fellowship in Gynecologic Oncology

1986 – 1993
Participating Faculty, Clinico-Pathological Conferences on Gynecologic Oncology

1985 – Present
Group Leader, Seminars and Training Conferences in Diagnosis Cytopathology for Residents in Pathology

1984 – Present
Instructor, Pathology (Endocrine System, Female Reproductive System, Cytopathology), BMS 6600

University of Pennsylvania School of Medicine:

1981 – 1984
Participating Faculty. Postgraduate Course on “Present Concepts in Obstetrics and Gynecology” (Dr. C.-R. Garcia, Course Director). Lecture and Syllabus on “Pathology of Oviducts and of Embryonic Remnants” and on “Uterine Pathology”

1981 – 1983
Participating Faculty. Interdepartmental Course ID 253 on Reproductive Endocrinology and Physiology. Lectures on “Ovarian Anatomy and Follicular Development”, “Functional Morphology of the Oviduct and Uterus” and “Morphology of the Male Reproductive Tract”

1979 – 1980
Participating Faculty. Physiology 100. Lectures on “Physiology of Cervical Mucus”

1979 – 1980
Participating Faculty. Course 150 on Introduction to Reproduction. Lecture on “Oncogenesis”

1975 – 1977
Participating Faculty. Refresher Course in Obstetric and Gynecologic Pathology for Residents in Obstetrics and Gynecology

1975 – 1976
Participating Faculty. Cell Physiology 510. Lecture on “Cell Structure”

1975 – 1984
Group Leader. Pathology 100A and 100B

1973 – 1984
Participating Faculty. Postdoctoral Program in Reproductive Biology. Lectures on female and male reproductive tracts and on principles and applications of tissue culture. Workshops on “Harvesting and Culture of Granulosa Cells and Follicular Oocytes”, “Isolation and Culture of Ovarian Follicles” and “Separation and Culture of Endocervical Cells”

Other Institutions:


1969 – 1972 Lecturer. Seminars in Obstetric and Gynecologic Pathology (Department of Pathology, Michael Reese Hospital and Medical Center, Chicago, IL)

1968 Lecturer. Seminars in Colposcopy and Cytology of the Female Genital Tract (Department of Obstetrics and Gynecology, Catholic University Hospital, Rome, Italy)

DOCTORAL TRAINEES:

1995 – 1997 Liz Mitchell, M. Sc. Student (M. Sc. Program in Biology). University of South Florida College of Medicine, Tampa, FL

1992 – 1995 Caroline Fultz, Ph.D. graduate student (Ph.D. Program in Medical Sciences – Pathology). University of South Florida College of Medicine, Tampa, FL

POST-DOCTORAL TRAINEES:

2002-2003 Holaysan, J, Dept of Pathology, H. Lee Moffitt Cancer Center and Research Institute, Tampa, Florida

2001-2002 Zoltan, M, Dept. of Pathology, H. Lee Moffitt Cancer Center and Research Institute, Tampa, Florida

2000-2001 Hall, C., Dept. of Pathology, H. Lee Moffitt Cancer Center and Research Institute, Tampa, Florida

1998 – 1999 Hakam, E., Dept. of Pathology Program, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL

1994 – 1995 Pierro, E., Dept. of Obstetrics and Gynecology, Catholic University School of Medicine and Surgery, Rome, Italy

1992 – 1993 Giacomini, G., Dept. of OB-GYN, University of Bologna, Italy
1990 – 1991  Shabaik, A., Assistant Professor of Pathology, UCSD, San Diego, CA
1989 – 1990  Horowitz, S., Medical Director, Roche Biomedical Laboratory, Clearwater, FL
1987 – 1991  Setrakian, S., Assistant Professor, Dept. of Pathology, Case Western Reserve, Cleveland, OH
1988 – 1990  Ku, N.K., Assistant Professor of Pathology, Dept. of Pathology, University of South Florida, Tampa, FL
1982 – 1983  Osterholzer, H.O., Lieutenant Colonel, Navy General Hospital, San Francisco, CA
1980 – 1981  Tojo, R., Clinical Professor, Dept. of Obstetrics and Gynecology, Univ. of Keio, Keio, Japan
1978 – 1980  Chilton, B.S., Professor, Dept. of Anatomy, Texas Tech. University, Lubbock, TX
1975 – 1978  Batta, S.K., Assistant Professor, Dept. of Physiology, Univ. of Maryland, Baltimore, MD (1979-1983)

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:

International Societies:
1981 – Present  International Society of Gynecological Pathologists
1972 – Present  United States and Canadian Academy of Pathology
1970 – Present  International Federation of Fertility Societies
1983 – 1989  European Tissue Culture Society

National Societies:
1993 – 2000  Papanicolaou Society of Cytopathology
1982 – Present  American Society of Cytopathology (formerly American Society of Cytology)
1979 – 1985  Electron Microscopy Society of America
1977 – Present  American Society for Cell Biology
1973 – 1991  American Association for the Advancement of Science
1972 – Present  Society for the Study of Reproduction
1971 – Present  Society for In Vitro Biology (formerly American Tissue Culture Association)
1969 – 1979 National Association of Interns and Residents

Local Societies:
1985 – Present Florida West Coast Association of Pathologists
1985 – Present Florida Society of Cytology
1972 – Present Michael Reese Hospital Alumni Association
1971 – Present University of Illinois at the Medical Center Alumni Association

EDITORIAL POSITIONS:

As Member of Editorial Board:
2002 – Present Cancer On-Line Reviewer
1995 – Present Frontiers in Bioscience
1993 – Present Cancer Control Journal of the Moffitt Cancer Center
1993 – Present In Vitro Cellular and Developmental Biology

As Editor Ad Hoc:
1995 – Present Proceedings of the Society for Experimental Biology and Medicine
1995 – Present Frontiers in Bioscience
1994 – Present American Journal of Physiology (Endocrinology and Metabolism)
1994 – Present American Journal of Pathology
1992 – Present Journal of Maternal-Fetal Medicine
1991 – Present Acta Cytologica
1989 – Present Laboratory Investigation
1988 – Present Endocrinology
1981 – 1984 In Vitro
1980 – 1984 Biological Bulletin
1973 – 1976  Fertility and Sterility

As Reviewer:

GRANT REVIEW POSITIONS:

2002  Committee Member, National Cancer Institute, C-GRB Study Section, John Hopkins Hospital Program Project Review “Ovarian Serous Carcinoma”

2000  Committee Member, National Cancer Institute, C-GRB Study Section, Core Grant Review, Jefferson Kimmel Cancer Center, Philadelphia, PA

2000  Committee Chairman, National Cancer Institute, C-GRB Study Section University of California at San Francisco, California. Program Project Review: Biology of Ovarian Cancer

1999 – Present  National Cancer Institute, C-GRB Study Section

1995 – 1998  Department of Defense, Breast Cancer Initiative Project (Pathobiology Study Section)

1993 – Present  National Institutes of Health (Ad Hoc) (Pathology B Study Section)

1993 – Present  American Cancer Society Institutional Grant Program, H. Lee Moffitt Cancer Center and Research Institute

1990 – Present  National Cancer Institute (Ad Hoc)

1989 – Present  H. Lee Moffitt Cancer Center Research Grant Program (Committee Chairman)

1987 – Present  British Columbia Health Care Foundation

1980 – 1982  National Foundation March of Dimes

CONSULTANT POSITIONS:

2002  External Advisor- Shared Resources Review, Wake Forest University, Winston, Salem, December 8-9, 2002

1991 – 1992  Roche Biomedical Laboratories (Cell Image Analysis Systems)

AWARDS AND HONORS:

February 2001  4th Hill Lecture on “Growth and Morphogenesis in Ovarian Epithelial Cancer”. Department of Pathology, Baylor College of Medicine, Houston, Texas
November 1998  New Frontiers in Cytology Research Award (as co-investigator with Drs. Ahmad, Ku, Muro-Cacho, Cox, and Reintgen), Annual Meeting of American Society of Cytopathology, November 1998, Nashville, TN

October 1997  Member of the H. Lee Moffitt Cancer Center Breast Cancer Program: 10 Best Hospitals for Quality Care, Self Magazine

June 1995, 1999  Best Doctors in America: Southeast Region

May 1994  Keynote speaker (*Lectio Magistralis*) on “Studies on the Biopathology of Ovarian Mesothelium”. 70th Congress of the Italian Society of Obstetrics and Gynecology, Rome, Italy

September 1990  Keynote speaker on “Mechanisms of Ovarian Aging”. 66th Congress of the Italian Society of Obstetrics and Gynecology, Brescia, Italy

March 1988  Sigma Xi Scientific Research Society

March 1988  Arthur Purdy Stout Society of Surgical Pathologists

May 1987  Tenure, University of South Florida Health Sciences Center

December 1980  American Men and Women of Science

May 1979  Honorary Member, Sociedad de Obstetricia y Gynecologia de Rosario, Argentina

August 1978  Member of the Corporation, Marine Biology Laboratory, Woods Hole, MA

June 1972  Alumni Association Research Assay Award (Michael Reese Medical Research Institute, Chicago, IL)

July 1971  Chief Resident in Pathology (Michael Reese Hospital and Medical Center, Chicago, IL)

July 1967  Dean’s Scholarship for best thesis of first graduating class (Catholic University of the Sacred Heart School of Medicine and Surgery, Rome, Italy)

**ACTIVITIES IN SCIENTIFIC SOCIETIES:**

June 2002  Director of Conferences, 19th Cancer Conference and Slide Seminar, the Colony Beach & Tennis Resort, Longboat Key, FL

January 2002  Meeting Host and Sponsor, GRIPE Winter Meeting 2002, University of South Florida College of Medicine, Tampa, FL
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 2000</td>
<td>Director of Conference, 18th Cancer Conference and Slide Seminar, Colony Beach and Tennis Resort, Longboat Key, FL</td>
</tr>
<tr>
<td>November 1999</td>
<td>Director of Workshop, “Breast Aspiration Biopsy Cytology with Emphasis on Proliferative Lesions and Low Grade Neoplasms”, 47th Annual Scientific Meeting of the American Society of Cytopathology, November 2-6, 1999, Sacramento, CA</td>
</tr>
<tr>
<td>May 1998</td>
<td>Director of Conference, 17th Cancer Conference and Slide Seminar, “Multimodality Approach to Tumor Diagnosis”, May 16-17, 1998, Clearwater Beach, FL</td>
</tr>
<tr>
<td>April 1997</td>
<td>Director of Conference, “Cytopathology Review, 1997”, Interim Meeting of the American Society of Cytopathology, Baltimore, MD</td>
</tr>
<tr>
<td>November 1996</td>
<td>Director of Workshop, “Breast Aspiration and Intraoperative Cytology”, 44th Annual Scientific Meeting of the American Society of Cytopathology, Denver, CO</td>
</tr>
<tr>
<td>June 1996</td>
<td>Director of Conference, 16th Annual Cancer Conference and Slide Seminar, Longboat Key, FL</td>
</tr>
<tr>
<td>June 1995</td>
<td>Director of Conference, 15th Annual Cancer Seminar and Slide Seminar, Longboat Key, FL</td>
</tr>
<tr>
<td>November 1994</td>
<td>Chairman of Scientific Program (Platform Session), 42nd Annual Meeting of the American Society of Cytopathology, Chicago, IL</td>
</tr>
<tr>
<td>June 1994</td>
<td>Director of Conference, 14th Annual Cancer Conference and Slide Seminar, Longboat Key, FL</td>
</tr>
</tbody>
</table>
June 1993  Director of Conference, 13th Annual Cancer Conference and Slide Seminar, Longboat Key, FL

June 1992  Director of Conference and Moderator of Session on “Gynecologic Pathology”, 12th Annual Cancer Conference and Slide Seminar, Longboat Key, FL

November 1991  Chairman, Poster Discussion Session on “FNA of the Breast”, 39th Meeting of the American Society of Cytology, Los Angeles, CA

June 1991  Co-director of Conference and Moderator of Session on “Fine Needle Aspiration Biopsy of the Lung, Pleura and Mediastinum”, 11th Annual Cancer Conference and Slide Seminar, American Cancer Society, Longboat Key, FL

June 1990  Co-director of Conference and Moderator of Session on “Aspiration Biopsy Cytology of Deep Lesions”, 10th Annual Cancer Conference and Slide Seminar, American Cancer Society, Longboat Key, FL

June 1989  Moderator of Session on “Gynecological Neoplasms”, 9th Annual Conference and Slide Seminar, American Cancer Society, Florida Division, Longboat Key, FL

June 1986  Co-director of Session on “Gynecological Tumors”, 6th Annual Cancer Conference and Slide Seminar, American Cancer Society, Florida Division, Longboat Key, FL

October 1985  Co-director and Moderator of University of South Florida Clinical Continuing Education Teleconference on “The Role of the Laboratory in the Diagnosis and Management of Infertility”, Saddlebrook, FL


August 1982  Chairman of Session of “Reproduction and Development”, 40th Meeting of the Electron Society of America, Washington, DC

PRINCIPAL INVESTIGATOR OF GRANTS:


2000-2005  Pathology Core, NCI Molecular Oncology Program, H. Lee Moffitt Cancer Center and Research. $75,000

1987 – 1990  “Pathobiology of Ovarian Surface Epithelium”. Institute: Veterans Administration. $219,672
April 1988 – March 1989  “A Comparative Flow Cytometry and Image Analysis Study of DNA in Gynecological Cancers”. University of South Florida Intramural Biomedical Research Grant. $5,000

January 1982 - December 1986  “Electron Microscopy Core Facilities”. Awarding Institute: NICHD. USPHS No. 2. PO1 HD-06274-11A1 Sub Em Core. $300,188


January 1977 - December 1981  “Electron and Light Microscopy Core Facilities”. Awarding Institute: NICHD. USPHS No. 2. PO1 HD-06274 Sub Core. $224,955


CO-INVESTIGATOR OF GRANTS:

2001-2004  “AKT1 Oncogene in Human Carcinogenesis”, USPHS-NIH-NCI, $875,000 (P.I.: Jin Cheng, Ph.D.)

2001-2004  “Role of Vitamin D and its receptor in Ovarian Epithelial Cancer and Treatment”, Department of Defense, $296,000.


2000 – 2005  Pathology Core, NCI Molecular Oncology Program Project, H. Lee Moffitt Cancer Center and Research Institute. $650,000 (P.I.: William Dalton)


1993 – 1994  “Growth Regulators in Uterine Leiomyomas”. USF President Council Faculty Award. $5,000 (P.I.: J. Tsibris)

OTHER AWARDS:

March 1996  University of South Florida College of Medicine OCO Scientific Equipment – Confocal Microscope System: $112,000 (co-awardee Dr. Karl Muffly, Department of Anatomy)

March 1995  University of South Florida College of Medicine OCO Scientific Equipment – Support for Transmission and Scanning Electron Microscopy Core Facility: $62,000 (co-awardee Dr. Johannes Rhodin, Department of Anatomy)

CONSULTANT OF GRANTS:


PATENTS:


RESEARCH AND ACTIVITIES:

1969 as Obstetrics & Gynecology resident, Department of Obstetrics & Gynecology, Catholic University of the Sacred Heart School of Medicine and Surgery, Rome, Italy. Immunofluorescence and electrophoretic studies of immunoglobulins in the human cervix.
1970 – 1972 as Pathology resident and graduate student, Department of Pathology, Michael Reese Hospital and University of Illinois Medical Center, Chicago, IL. Ultrastructure and biochemical studies of granulosa Cell luteinization in vitro.

1972 – 1973 as USPHS Fellow in Reproductive Biology, Department of Obstetrics and Gynecology, University of Pennsylvania School of Medicine, Philadelphia, PA. Morphometry of granulosa cell luteinization.

1973 – 1984 as Faculty Member, Department of Obstetrics and Gynecology, Division of Reproductive Biology, University of Pennsylvania School of Medicine, Philadelphia, PA. Morphophysiology of Mammalian reproduction from ovarian folliculogenesis to cervical mucus secretion and fertilization. Biology of ovarian surface epithelium. Ovarian aging.

1984 – Present as Faculty Member, Department of Pathology, University of South Florida College of Medicine, Tampa, FL. Pathobiology of ovarian mesothelium (surface epithelium). Intraovarian growth factors. Mesothelial-stromal interactions in the mammalian ovary. DNA cytophotometry and immunocytochemistry in cytopathology.

COMMUNITY SERVICE:

November 1992 – Present Member, Hillsborough County United Way Leadership Giving Campaign – The Keel Club

November 1992 “The Role of the Pathologist in the Management of Breast Cancer”. FACTors (Fighting Against Cancer Together) Breast Cancer Support Group, H. Lee Moffitt Cancer Center, Tampa, FL

June 1992 “Research in Gynecological Cancer”. Summer Institute on Medical & Biological Research. School District of Hillsborough County, Tampa, FL

1991 – Present Breast Cancer Task Force, Greater Tampa American Cancer Society, Tampa, FL

Fall 1982 Member, Fundraising Committee, St. Mary Catholic Church, Medford, NJ

November 1972 “Control of Follicular Cell and Oocyte Maturation”. (Radio Monteceneri, Swiss Broadcasting Company)

INVITED PRESENTATIONS AND WORKSHOPS:

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>June 2002</td>
<td>“Aspiration Biopsy Cytology and Diagnostic Pitfalls, Breast Lesions” The Osler Institute, Tampa, FL</td>
</tr>
<tr>
<td>June 2002</td>
<td>“Applications of Laser Capture Microdissection in Pathology”, Applications and Immunohistochemistry in Pathology”. Cancer Research Techniques, Training Progress in Cancer Biology, H. Lee Moffitt Cancer Center, Tampa, FL</td>
</tr>
<tr>
<td>March 2001</td>
<td>“Development of Models and Integration of Resources”, Helen Harris Memorial Trust 8th International Forum on Ovarian Cancer, March 20-23, Houston, TX</td>
</tr>
<tr>
<td>May 2000</td>
<td>“Aspiration Biopsy Cytology and Diagnostic Pitfalls of Proliferative Breast Lesions”, Florida West Coast Association of Pathologists, May 18, 2000, Tampa, FL</td>
</tr>
<tr>
<td>April 1998</td>
<td>“Control of Cell Growth and Papillogenesis in Ovarian Mesothelium”. British Columbia Women’s Hospital, Department of Obstetrics and Gynecology, University of British Columbia, April 21, 1998, Vancouver, Canada</td>
</tr>
</tbody>
</table>


November 1997  "Aspiration Biopsy and Intraoperative Cytology of Breast Lesions" (with Ni Ni K. Ku and Annette J. Williams, CT, ASCP), 45th Annual Scientific Meeting of American Society of Cytopathology, Boston, MA

October 1997  "Giovan Battista Morgagni: The Man and His Historical Contributions to Anatomic Pathology". 1997 Annual Meeting of Southeast Association of Pathology Chairs, Perdido Beach, AL

April 1997  "Diagnostic Pitfalls and Borderline Lesions in Breast Aspiration Cytology". 1997 Cytopathology Review, American Society of Cytopathology, Baltimore, MD

April 1997  "Microenvironmental Factors in Ovarian Epithelial Cancer". Department of Obstetrics and Gynecology, University of Illinois at the Medical Center, Chicago, IL

March 1997  "Giovan Battista Morgagni and the Beginnings of Anatomic Pathology". Companion Meeting (Pathology History Society), 86th Annual Meeting of the United States and Canadian Academy of Pathology, Orlando, FL

November 1996  "Breast Aspiration and Intraoperative Cytology". 44th Annual Scientific Meeting of American Society of Cytopathology, November 8, 1996, Denver, CO

May 1996  "Breast Aspiration Cytology" and "Control of Papillogenesis in Normal and Neoplastic Ovarian Mesothelium". Spring Seminar, Department of Pathology, University of Florida, Gainesville, FL

May 1996  "Biology of Ovarian Aging and Epithelial Cancer". Annual Meeting of the American Geriatric Society and American Federation for Aging Research, Chicago, IL


October 1995  "Growth and Papillogenesis in Cultured and Native Ovarian Mesothelia: Possible Insight into the Initiation of Ovarian Epithelial Cancer". Fox Chase Cancer Center, Philadelphia, PA
<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>June 1995</td>
<td>“Mechanisms of Papillogenesis in Experimental Ovarian Mesothelial Proliferations” and “Diagnostic Pitfalls in Aspiration Biopsy Cytology of Breast Lesions”. 15th Annual Cancer Conference and Slide Seminar, Longboat Key, FL</td>
</tr>
<tr>
<td>September 1994</td>
<td>“Control of Papillogenesis in Benign and Malignant Ovarian Mesothelium”. 3rd Sapporo International Symposium on Ovarian Function, Sapporo, Japan</td>
</tr>
<tr>
<td>May 1994</td>
<td>James W. Reagan Memorial Lecture on “Regulation of Ovarian Mesothelium”. Department of Pathology, Case Western Reserve University, Cleveland, OH</td>
</tr>
<tr>
<td>May 1994</td>
<td>“Aspiration Cytology of Head and Neck Lesions”. Department of Pathology, Case Western Reserve University, Cleveland, OH</td>
</tr>
<tr>
<td>March 1994</td>
<td>“Intraabdominal Aspirations”. Cytoopathology Review, American Society of Cytology, Deerfield Beach, FL</td>
</tr>
<tr>
<td>November 1993</td>
<td>“Diagnostic Cytology Seminar” Panel Discussant. 41st Annual Scientific Meeting, American Society of Cytology, Houston, TX</td>
</tr>
<tr>
<td>June 1993</td>
<td>“Neoplasms of the Skull Base: Indications and Pitfalls in Fine Needle Aspiration Biopsy Cytology”. 13th Annual Cancer Conference and Slide Seminar, Longboat Key, FL</td>
</tr>
<tr>
<td>February 1993</td>
<td>“Mechanisms of Papillogenesis in the Ovarian Mesothelium”. 20-year Anniversary Meeting of the Pathology Alumni of the University of South Florida Affiliated Programs, Tampa, FL</td>
</tr>
<tr>
<td>November 1992</td>
<td>“Aspiration Biopsy Cytology of Breast Lesions”. Physician’s Reference Laboratory/SmithKline Beecham Laboratory, Tampa, FL</td>
</tr>
</tbody>
</table>
July 1992  
“Essentials of Fine Needle Aspiration for Clinicians” and “Fine Needle Aspiration: Pathology Interpretation of Selected Sites”. St. Mary’s Hospital, West Palm Beach, FL

June 1992  
“Endometrial Biopsy”. 12th Annual Cancer Conference and Slide Seminar, Longboat Key, FL

April 1992  
“Growth Stimulation of Ovarian Surface Epithelium in the Rabbit”. Ovarian Cancer Workshop. Investigational Strategies for Detection and Intervention in Early Ovarian Cancer (Sponsoring Institution: Natl Cancer Institute), Annapolis, MD

March 1992  
Course on Exfoliative and Aspiration Biopsy Cytology. Colombian Society of Pathology, Manizales, Colombia

October 1991  
“Issues Related to Management of Primary Breast Cancer” (in coll. with Drs. N. N. K. Ku, C. Cox, R. Foster, H. Greenberg, and C. Roberts). Breast Cancer in Older Women. An Agenda for the 90s, Clearwater Beach, FL

October 1991  
“Mechanisms of Postovulatory Ovarian Surface Epithelium Repair”. Gametes, Fertilization and the Fallopian Tube: Scientific and Ethical Considerations. 25th Anniversary Founding of the Division of Reproductive Biology. University of Pennsylvania School of Medicine, Philadelphia, PA

August 1991  
“Fine Needle Aspiration Biopsy of Lung, Pleura and Mediastinum”. 31st Annual Southern Association of Cytotechnologists, Panama City, FL

June 1991  
“Procurement and Cytopreparatory Techniques” (in coll. with R. Clark, M.D.). 11th Annual Cancer Conference and Slide Seminar, American Cancer Society, Longboat Key, FL

October 1990  
“Lung Cancer: The Cytologist’s Perspective”. Conference on Early Detection of Lung Cancer for the Primary Care Physician, American Cancer Society, Tampa, FL

October 1990  
Co-director (with N. Auersperg) of Scientific Session on “Biology of Ovarian Cancer. Biology and Therapy of Ovarian Cancer”. (Sponsoring Institutions: Fox Chase Cancer Center and National Cancer Institute), Marble Island, VT

October 1990  
“Biology of Ovarian Surface Epithelium”. Department of Obstetrics and Gynecology, University of Bologna, Bologna, Italy

September 1990  
Workshop Director: “Fine Needle Aspiration Cytology of Lung and Mediastinum”. 1990 Annual Fall Meeting of the Florida State Society of Cytology, Naples, FL
<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>June 1990</td>
<td>“Aspiration Biopsy Cytology of Intraabdominal Organs”. 10&lt;sup&gt;th&lt;/sup&gt; Annual Cancer Conference and Slide Seminar, American Cancer Society, Longboat Key, FL</td>
</tr>
<tr>
<td>February 1990</td>
<td>“Endo-Pap Cytology of Endometrial Cancer and Precursor Lesions”. OB-GYN Grand Rounds, Tampa General Hospital, Tampa, FL</td>
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<td>February 1990</td>
<td>“DNA Ploidy and S-Phase”. Blake Memorial Hospital, Bradenton, FL</td>
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<tr>
<td>June 1989</td>
<td>“DNA Analysis” and “Ovarian Neoplasms”. 9&lt;sup&gt;th&lt;/sup&gt; Annual Cancer Conference and Slide Seminar, American Cancer Society, Longboat Key, FL</td>
</tr>
<tr>
<td>February 1989</td>
<td>“Aspiration Biopsy Cytology of Head and Neck”. 23&lt;sup&gt;rd&lt;/sup&gt; Annual Cancer Society John K. Frost Cytopathology Workshop, Eckerd College, St. Petersburg, FL</td>
</tr>
<tr>
<td>December 1988</td>
<td>“Tissue Handling and Cytology”. Cancer Management Course, American College of Surgeons, Tampa, FL</td>
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<td>November 1988</td>
<td>“Fine Needle Aspiration of the Thyroid Gland” (in coll. with Tilde S. Kline, M.D.). American Society of Cytology, 36&lt;sup&gt;th&lt;/sup&gt; Annual Meeting, Kansas City, MO</td>
</tr>
<tr>
<td>July 1988</td>
<td>“Regulation and Temporal Sequence of Surface Epithelium Morphogenesis in the Postovulatory Rabbit Ovary”. VII International Symposium on Morphological Sciences, Rome, Italy</td>
</tr>
<tr>
<td>October 1987</td>
<td>Seminar Director: “Fine Needle Aspiration Biopsy: Indications, Technique and Interpretation”. Regional Laboratory Conference, Tampa, FL</td>
</tr>
<tr>
<td>October 1986</td>
<td>Workshop Director, 1&lt;sup&gt;st&lt;/sup&gt; Workshop on “Fine Needle Aspiration Biopsy Cytology”. University of South Florida and SmithKline Bioscience Laboratory, Tampa, FL</td>
</tr>
<tr>
<td>June 1986</td>
<td>“Developmental Aspects of Ovarian Surface Epithelial Cancer”. 6&lt;sup&gt;th&lt;/sup&gt; Annual Cancer Conference and Slide Seminar, American Cancer Society, Florida Division, Longboat Key, FL</td>
</tr>
<tr>
<td>February 1983</td>
<td>“Isolation and Growth Characteristics of Ovarian Surface Epithelium”. Department of Pathology, Medical College of Pennsylvania, Philadelphia, PA and Department of Pathology, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA</td>
</tr>
</tbody>
</table>
July 1982

January 1981
“Macromolecular Regulation of Cervical Mucus Secretion”. Department of Obstetrics and Gynecology, Catholic University of the Sacred Heart School of Medicine and Surgery, Rome, Italy

November 1980
“Cytological Analysis of the Mammalian Egg”. Symposium on *In Vitro Fertilization: as a Clinical Tool/as a Research Tool*. Wistar Institute of Anatomy and Biology, Philadelphia, PA

July 1980
“Hormonal Modulation of Endocervical Cytodifferentiation and Mucin Biosynthesis”. (Poster presentation in coll. with Dr. B. S. Chilton). Gordon Research Conference on Mammalian Genital Tract Secretions, Colby-Sawyer College, New London, NH

July 1980
“An *In Vivo* and *In Vitro* Analysis of Cervical Mucus Secretion”. Symposium on Cervical Mucus, 10th World Congress on Fertility and Sterility, Madrid, Spain

January 1980
“Follicular Atresia”. Department of Obstetrics and Gynecology, University of California, San Francisco, CA

January 1980
“Control of Mucus Secretion in Vertebrate and Invertebrate Cells”. Department of Pathology, University of California, San Francisco, CA

May 1979

April 1979
“Pathology of the Female Reproductive Tract”. Department of Pathology, University of Pennsylvania School of Dental Medicine, Philadelphia, PA

January 1979
“Control of Mucus Secretion in Vertebrate and Invertebrate Cells”. Dept of Pathology, Harbor General Hospital-UCLA, Los Angeles, PA

April 1977
“Aspects of *In Vitro* Fertilization and Sperm-Egg Interaction”. (Presented jointly with Dr. D. P. Wolf). Department of Obstetrics and Gynecology, Michael Reese Hospital and Medical Center, Chicago, IL

April 1977
“Mammalian Endocervical Cells *In Vitro*”. Department of Obstetrics and Gynecology, Chicago Lying-in, University of Chicago, Chicago, IL

July 1976  “Cortical Granule Distribution and Cell Surface Characteristics in Mouse Eggs”. Marine Biology Laboratory, Woods Hole, MA

July 1970  “Luteinization of Rabbit Granulosa Cells in Tissue Culture”. Department of Obstetrics and Gynecology, Catholic University of the Sacred Heart School of Medicine and Surgery, Rome, Italy

ORIGINAL PAPERS: (Invited Papers and Book Chapters Marked with an Asterisk)


**BOOK REVIEWS:**


**PAPERS IN PREPARATION:**


2. **Nicosia SV, Saunders BO, Sun X, Bullard S, Giacomini G, Nicosia RF, Jasonni V.** Stimulation of ovarian mesothelial cell growth by mature follicles and corpora lutea extracts: correlation with luteal growth factor expression.

3. **Nicosia SV, Acevedo-Duncan M, Saunders BO.** Growth and morphogenetic effects of repetitive ovulation on ovarian mesothelial cells.

**WORKSHOP MANUALS:**

1. **Nicosia SV.** Role of Intraoperative Cytology in the Management of Breast Cancer Patients. Radioguided Surgery Course, H. Lee Moffitt Cancer Center and University of South Florida College of Medicine, Tampa, FL. April 4-5, 2002.


11. Nicosia SV. Intraabdominal Aspirations. 5th Annual Cytopathology Review, American Society of Cytology, Deerfield Beach, FL, March 4-6, pp. 1-17. 1994


**RESEARCH ABSTRACTS:**


24. Yuan ZQ, Coppola D, Olashaw NF, Nicosia SV, Cheng JQ. AKT2/PKBβ is activated by Cellular stresses and TNFα through phosphatidylinositol 3-kinase and targets NFκB, but not JNK1 or p38 pathway. 92nd Annual Meeting of the American Association for Cancer Research, 2001.


74. Catalano E, Calafati S, Cantor A, Nicosia S, Coppola D. The immunohistochemical expression of cellular adhesion molecules (CD44v6 and CD57) and cell surface carbohydrates (CA50) in follicular lesions of the thyroid. XXI International Congress of International Academy of Pathology and 12th World Congress of Academic & Environmental Pathology, Budapest, Hungary, October 20-25, 1996.


85. Tsibris JCM, Murphy JM, Porter KB, Nicosia S, Rao PS, O’Brien WF, Spellacy WN. Regulation by estrogens of the transforming growth factor-β (TGF-β) system in uterine leiomyomas. 1994 University of South Florida College of Medicine Faculty/Student Research Day, Tampa, FL, October 13, 1994.


109. Acevedo-Duncan M, Naidu AK, Nicosia SV. Regulation of protein kinase C and glutathione S-transferase by epidermal growth factor in an ovarian mesothelium. 83rd Annual Meeting of the


JOHNATHAN MARK LANCASTER

CURRICULUM VITAE

Personal
Date of birth: January 4th 1968
Home Address: 15403 Fenton Place, Tampa, FL 33647
Telephone: (813) 910 4259
Email: lancasjm@moffitt.usf.edu
Marital Status: Married
Family: Vanessa Lancaster, Certified Nurse Midwife,
Georgina Emily Lancaster, d.o.b. 3/22/00
Sebastian Ray Lancaster, d.o.b. 3/22/00
Visa: U.S. Permanent Resident

Education
Undergraduate University of Wales, U.K. 1992 B.Sc. (Class 1)
Medical School University of Wales, U.K. 1992 M.B., B.Ch.
Research Doctorate Univ. of Wales / N.I.E.H.S., NC 1997 M.D.
Research Doctorate Univ. of Wales / Duke University 2003 Ph.D. (pending)
**Academic Career**

1992-1993  Intern in General Surgery & Internal Medicine  
University of Wales Teaching Hospitals, Cardiff, U.K.

1993-1994  Resident in Obstetrics and Gynaecology  
University of Cambridge, U.K.

1994-1996  Fogarty Research Fellow  
NIEHS, NIH, N.C.

1996-1997  Research Associate, Dept. Surgery  
Duke University Medical Center.

1997-2000  Resident in Obstetrics and Gynecology  
Duke University Medical Center

2000 -2003  Fellow in Gynecologic Oncology  
Duke University Medical Center

2001-2003  Medical Director, Cervix Clinic  
Duke University Medical Center

2003-Present  Assistant Professor, Division of Gynecologic Oncology,  
H. Lee Moffitt Cancer Center & Research Institute,  
University of South Florida, Tampa, Florida

**Certification**

Educational Commission for Foreign Medical Graduates, 1995

Board Eligible, Obstetrics and Gynecology, 2000

Board Eligible, Gynecologic Oncology, 2003

**Memberships**

American Association for Cancer Research, 1997  
Active Member

American College of Obstetrics and Gynecology, 2000  
Junior Fellow

American Society of Clinical Oncology, 2002  
Associate Member
Awards/Fellowships/Scholarships/Grants

Ciba-Giegy Research Scholarship, 1991  $5,000
N.I.H. Fogarty Fellowship, 1994  $70,000
I.N.S. Alien of Extraordinary Ability, 1996
Bronze Sucker Award for Gynecologic Surgery, 1999
Terry & Frances Seelinger Fellow in Cancer Award, 2000  $4,000
AACR-AstraZeneca Scholar-in-Training Award, 2001  $1,500
Wyeth Ayerst Educational Scholarship, 2001  $3,000
ASCO Merit Award, 2001  $1,500
The Ovarian Cancer Research Fund, Liz Tilberis Scholars Program Grant, 2002  $300,000
AACR-Susan G. Komen Breast Cancer Foundation Scholar-in-Training Award, 2003  $1,000
Jacquie Liggett Fellowship Hearing the Ovarian Cancer Whisper Foundation, 2003  $50,000
Department of Defense, National Functional Genomics Award  $25,000

Professional Review Experience

Obstetrics and Gynecology
The Lancet
Cancer Research
Cancer
Molecular Carcinogenesis
American Journal of Obstetrics and Gynecology
Cancer Letters
Publications

1. **JM Lancaster** and JA Davies.  
Carbamazepine inhibits NMDA-induced depolarizations in cortical wedges prepared from DBA/2 mice.  

2. **JM Lancaster** and JA Davies.  
Desmethylimipramine potentiates NMDA responses in a mouse cortical slice preparation.  
Neuroreport. 2; 1992.

3. **JM Lancaster**, A Prentice & S K Smith  
Successful medical treatment of subdiaphragmatic endometriosis.  

P53 Polymorphism in Ovarian and Bladder Cancer.  


An Inevitable Dilemma: Prenatal Testing for Mutations in the BRCA1 Breast/Ovarian Cancer Susceptibility Gene.  

Detection of BRCA1 Mutations in Women With Early Onset Ovarian Cancer Using the Protein Truncation Test.  
Journal of the National Cancer Institute 88; 552-554: 1996.

Mutation analysis of the BRCA2 gene in 49 site-specific breast cancer families.  
Nature Genetics 13; 120-122: 1996.

BRCA2 mutations in primary breast and ovarian cancers.  

10. IJ Jacobs and **JM Lancaster**  
The Molecular Genetics of Sporadic and Familial Epithelial Ovarian Cancer.  


American Journal of Obstetrics and Gynecology, 184(6) 1051-1053, 2001

Gynecologic Oncology. 82: 94-98: 2001

24. ME Carney; **JM Lancaster,** C Ford, A Tsodikov, CL Wiggins. A population-based study of patterns of care for ovarian cancer: who is seen by a gynecologic oncologist and who is not? 
Gynecologic Oncology, 84(1) 36-42, 2002


Clinical Cancer Research, 9; 762-766, 2003

Cancer Epidemiology, Biomarkers & Prevention. (In Press), 2003

28. RM Wenham, **JM Lancaster** & A Berchuck. 
Molecular Aspects of Ovarian Cancer. 
Best Practice & Research, Clinical Obstetrics and Gynecology, 16(4) 483-497, 2002

Gynecologic Oncology, 88(1) 51-57, 2003


Chapters


Lectures/Oral Presentations

“Inherited Breast and Ovarian Cancer”,
NIEHS Student Outreach Program, NC 9/1994

“The Genetics of Ovarian Cancer”,
University of North Carolina at Pembroke, NC 5/1995

“The Genetics of Breast and Ovarian Cancer”,
NIEHS Summer Student Program, NC 8/1995

Detection of BRCA1 Mutations in Women With Early Onset Ovarian Cancer Using the Protein Truncation Test.
The Society of Gynecologic Oncologists (Plenary)
Annual Meeting, New Orleans, LA 2/1996

BRCA1 Mutations Detection in Women With Early Onset Ovarian Cancer. Plenary presentation.
British Gynaecological Cancer Society (Plenary)
Annual Meeting, Aberdeen, Scotland 3/1996

“Cervical Cytologic Screening Techniques”,
Grand Rounds, Duke University Medical Center 6/2000

“The Molecular Genetics of Breast and Ovarian Cancer”,
Howard Hughes Pre-College Program, Duke University Medical Center 9/2000

“Cervical Cytology Screening Techniques”,
Invited Speaker, Cape Fear Valley Medical Center 2/2001

“The Molecular Genetics of Familial Breast and Ovarian Cancer”
Residents Seminar Series, Duke University Medical Center 3/2001

“Evaluation of the Pap smear”, Invited Speaker, Heritage Hospital, Tarboro, NC 5/2001

“Hereditary Breast and Ovarian Cancer”, Invited Speaker,
Cape Fear Valley Medical Center 7/2001

“Hereditary Breast and Ovarian Cancer”, Invited Speaker,
Northeast Medical Center, Cabarras 9/2001
Increased expression of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) is associated with prolonged survival in patients with ovarian cancer.

The Society of Gynecologic Oncologists (Plenary) Annual Meeting, Miami, FL

3/2002

"Ectopic Pregnancy: An update",
Sampson County Regional Medical Center, Clinton, NC

3/2002

“Pap Smear Interpretation”,
Maria Parham Regional Medical Center, Henderson, NC

3/2002

“Genetic Etiology of Ovarian Cancer”, Grand Rounds,
Kapi’olani Medical Center, University of Hawaii, HI

5/2002

“Genetic Etiology of Ovarian Cancer”, Guest Speaker,
Cancer Research Center, University of Hawaii, HI

5/2002

“Molecular Genetic Etiology of Epithelial Ovarian Cancer”,
Grand Rounds,
Riverside Regional Medical Center, Newport News, VA

7/2002

“Molecular Genetic Analysis of Epithelial Ovarian Cancer”,
Grand Rounds,
Stanford University, Stanford, CA

11/2002

“Molecular Genetic Etiology of Epithelial Ovarian Cancer”,
Guest Speaker,
Moffitt Cancer Center, University of South Florida, Tampa, FL

11/2002
Selected Abstracts


Film Festivals
