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# Natasha Jonoska

Ph.D., 1993, State University of New York  
at Binghamton



**Areas of interest:** Biomolecular  
computation, symbolic dynamics, formal  
languages

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**Treasurer:** [ISNSCE:International  
Society for Nanoscale  
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Engineering](#)

**Associate Professor,**

**Graduate Admissions Director**

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University of  
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## **Cancer Biology** *Ph.D. Program at Moffitt*

## **Faculty**



### **Gary Litman, Ph.D.**

Professor in the Department of Pediatrics,  
College of Medicine

E-mail: [litmang@allkids.org](mailto:litmang@allkids.org)

Phone: (727) 553-3601

### **Cancer Biology Ph.D. Program**

#### **Admission Requirements**

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### **Training**

Undergraduate, University of Minnesota, Minneapolis  
Ph.D., University of Minnesota, Minneapolis

### **Research Interests**

Studies in our laboratory are directed at understanding both the mechanisms that diversify the adaptive immune response and the basis for variation in novel immune-like receptors that effect innate immunity. A number of different species that occupy significant positions in the evolutionary radiations of vertebrates are employed in these investigations, including: representative jawless vertebrates, cartilaginous fish as well as zebrafish, pufferfish and *Xenopus*. Current work is directed at understanding the origins of genes and gene products that regulate the differentiation of lymphoid lineages. Novel immune-type receptor genes that possess features of known mediators of both cellular and humoral immunity have been identified in the compact genome of pufferfish as well as in zebrafish. In the latter species, the genes have been localized to a chromosomal region that does not correspond to the region encoding the lymphoid receptor complex in mammals. Function of the novel genes is being examined by transfecting recombinant constructs into mammalian natural killer cell lines. Computer-based strategies are being developed to identify homologous genes in mammalian genomes. Additional studies are directed at refining methods to discover novel genes that are critical to cell regulatory pathways. Investigations of the expression of these genes and the function of their respective products utilize a variety of approaches including: characterization of interactions with specific nucleotide sequences and protein molecules, in vivo RNA injection into *Xenopus* blastocysts, knockdown strategies in zebrafish, and target gene disruption in mice.

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Heidi Kay, Ph.D.

College of Public Health · Global Health



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**Joined CPH Faculty:** 2002

**Contact Information:**

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**E-Mail:** [hkay@hsc.usf.edu](mailto:hkay@hsc.usf.edu)

**Phone:** (813) 974-6408

**FAX:** (813) 974-8506

**Degrees:**

B.S., Chemistry, University of South Florida, 1988

Ph.D., Chemistry, University of South Florida, 1999

Assistant Professor

**Discipline:**

Global Health

**Specialization:**

Water Chemistry

Cancer Drugs

Education

Kinetics

Photochemistry

**Other Information:**

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[The Kay Lab](#)

Heidi Kay collaborates with Chemical Engineering, Chemistry and the Moffitt Cancer Center in research activities. Materials development, degradation of pollutants, solution kinetics and cancer drug design are ongoing projects. She conducts undergraduate research opportunities and has developed a mobile laboratory for education and research applications. Courses taught at CPH include Water and Wastewater lab and Instrumental Methods of Analysis.

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# Psychiatry & Behavioral Medicine

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## Jun Tan, M.D., Ph.D.

### Assistant Professor

#### Contact Information

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 Fax: (813) 974-3915  
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#### Education

1978-1983 M.D. training (B.Ms.), Medicine, Third Military Medical University, Chongqing, China  
 1987-1989 M.S., Human Genetics, Institute of Genetics of Fudan University, Shanghai, China  
 1990-1992 Ph.D., Immunology, Third Military Medical University, Chongqing, China  
 1994-1996 Post-Doc., Department of Medical Microbiology and Immunology, University of Michigan Medical School, Ann Arbor, Michigan, USA  
 1996-1998 Post-Doc., Immunology Program, H. Lee Moffitt Cancer Center & Research Institute, University of South Florida College of Medicine, Tampa, Florida, USA

#### Interests

Role of CD40-CD40L interaction in A $\beta$ -mediated microglial activation and amyloidosis *in vivo* (a mouse model of Alzheimer's disease); effects of CD40 signaling pathway on metabolisms of amyloid precursor protein (APP); role of CD45, protein tyrosine phosphatase (PTP), in negative regulation of microglial activation; the functional role of CD40 isoforms in neuronal cell proliferation and differentiation

#### Publications

1. Tan J, Town T, Mori T, Wu Y, DelleDonne A, Obregon D, Rojiani A, Crawford F, Flavell R, Mullan M. CD40 is expressed and functional on neuronal cells. *EMBO J* 21 (4): 643-652 (2002).
2. Tan J, Town T, Mullan M. CD45 inhibits CD40L-induced Microglial Activation via negative regulation of the Src/p44/42 MAPK Pathway. *J Biol Chem* 275 (47): 37224-37231 (2000).
3. Tan J, Town T, Paris D, Mori T, Crawford F, Mattson M, Flavell R, Mullan M. The CD40-CD40L interaction leads to microglial activation after  $\gamma$ -amyloid stimulation. *Science* 286 (17): 2352-2355 (1999).

#### Honors/Awards



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Ann C. DeBaldo, Ph.D.

College of Public Health · Global Health



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**Came to USF:** 1980

**Contact Information:**

**Office:** CPH 1005

**E-Mail:** [adebaldo@hsc.usf.edu](mailto:adebaldo@hsc.usf.edu)

**Phone:** (813) 974-6604

**FAX:** (813) 974-6616

Professor and Associate Dean

**Discipline:**

Global Public Health

**Specialization:**

Tropical Public Health

Immunology

Infectious Diseases

**Degrees:**

B.A., Microbiology, University of South Florida, 1975

Ph.D., Medical Science, University of South Florida, 1980

Certificate, Wellness Counseling & Mind-Body Consciousness,

Institute of Transpersonal Psychology, Palo Alto, California,

1997

Dr. DeBaldo is a specialist in global tropical public health. Her research has been sponsored by the World Health Organization and the National Institutes of Health and has focused primarily upon the immunology of vector-borne and parasitic diseases including lymphatic filariasis. Field research projects and learning journeys conducted in the Caribbean and extensive travel throughout Southeast Asia and India, have emphasized public health and preventive aspects of parasitic and communicable disease in developing countries. A strong interest in cross-cultural dimensions of healthcare practices informs her work in global public health.



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**Stephen Klasko, MD, MBA**

**Vice President for Health Sciences Center  
Dean, College of Medicine**

I want to welcome you to a forum for discussion about the future of the Health Sciences Center at USF, and its respective colleges. This is a place to find presentations and projects of the HSC, and also to send me ideas by email.

I'm committed to designing the optimistic future for the Colleges of Medicine, Nursing and Public Health, as well as the School of Physical Therapy. We have great strengths in our faculty, our students, and our community's support, and we will build those strengths. This is a great university and I'm proud to be part of it.

Please post your ideas to the [VP Forum](#), and I will assemble them and respond to issues here.

### **VP Forum**

The VP Forum has been designed to address topics of interest to our faculty, staff, students, or visitors.

- [Browse an archive of our previous VP Forums](#)
- [Add a topic of discussion to our VP Forum](#)

### **Announcements**

This section will introduce important items pertinent to our faculty, staff, students, and visitors. This section could be used to elicit feedback for the VP Forum.

### **HSC Mission Statement**

The MISSION of the USF Health Sciences Center is to advance collaborative learning and discovery leading to improved health in our community

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Kay M. Perrin, Ph.D., M.P.H., R.N.

College of Public Health · Community and Family Health



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### **Came to USF: 1986**

Assistant Professor

### **Contact Information:**

Office: 2131, MDC56

E-Mail: [kperrin@hsc.usf.edu](mailto:kperrin@hsc.usf.edu)

Voice Mail: (813) 974-6704

FAX: (813) 974-5172

**Discipline:** Maternal & Child Health

### **Specialization:**

Maternal & Child Health

Program Planning and Evaluation

Spiritual Dimension of Health

### **Degrees:**

B.A. University of California 1976

M.P.H. University of South Florida 1990

Ph.D. University of South Florida 1996

### **Other Information:**

[Selected Publications](#)

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Since 1990, Kay Perrin has held faculty appointments at the University of South Florida College of Public Health in the Department of Community and Family Health, and currently is an Assistant Professor expected to go up for promotion and tenure next year. She is the Co-Principal Investigator for the department's Maternal-Child Health Leadership Training Grant, as well as the Co-PI on two major research grants. Until November 2002, she held the position of Secretary for ATMCH, is actively involved in at the local level with the Healthy Start Coalition, the Tampa Bay Area March of Dimes, and the Hillsborough County Network on Adolescent Pregnancy. Since 2000, she has served as P.I. for the Evaluation of Pinellas County Federal Healthy Start Project for \$70,000, the National Evaluation of the March of Dimes Comenzando Bien Program for \$110,000, and the Curriculum Development for the WAGES Coalition of Hillsborough County for \$25,000. She has published papers on adolescent pregnancy and most recently was awarded a competitive university faculty grant to assess the Hillsborough County Teen Pregnancy Community Initiative. She currently serves as co-P.I. on two important research projects with budgets totaling close to \$3 million. One

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## Faculty and Staff

College of Nursing · Faculty/Staff

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### Cecile Lengacher, PhD, RN

 A circular portrait photograph of Cecile Lengacher, a woman with short, curly, light brown hair, wearing a red top and smiling.	<p>Professor</p> <p>College of Nursing</p> <p>MDC 22</p> <p>813-974-9147</p> <p><a href="mailto:clengach@hsc.usf.edu">clengach@hsc.usf.edu</a></p>
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#### EDUCATIONAL BACKGROUND

- BS (Nursing), 1964, University of Wisconsin-Madison, Madison, WI
- MS (Nursing), 1971, Marquette University, Milwaukee, WI
- PhD, 1983, Marquette University, Milwaukee, WI

#### CURRENT AND RECENT POSITIONS

- Tenured Professor, University of South Florida, College of Nursing, Tampa, FL (1996-present)
- Associate Professor and Assistant Dean for Undergraduate Studies, University of South Florida, College of Nursing

#### RESEARCH INTERESTS

- Psychoneuroimmunology and Breast Cancer, Complementary/alternative therapies
- Health Promotion, Role Strain, Women's Health, Role Socialization, Outcome research, and As
- Research on Instrument Development/Testing

#### RECENT PUBLICATIONS (SELECTED FROM 27 PEER-REVIEWED PUBLICATIONS)

- Allen, E., **Lengacher C.A.**, Beckstead J., & Gonzalez L. Religiosity, Depression and coping in logic model. Resubmitted to *Nursing Oncology Forum*, March 2004.





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## Francisco Fernandez, M.D.

**Professor**

**Chairperson, Department of Psychiatry and Behavioral Medicine**

**Director, Institute for Research In Psychiatry**

**Interim Director, Silver Child Development Center**

### Contact Information

3515 E. Fletcher Avenue, USF Department of Psychiatry  
 Tampa, FL 33613  
[ffernand@hsc.usf.edu](mailto:ffernand@hsc.usf.edu)

### Education

- Tufts University, M.D. 1979
- Harvard Medical School Massachusetts General Hospital  
 General Psychiatry Residency 1983
- Harvard Medical School Massachusetts General Hospital  
 Psychosomatic Medicine Fellowship 1984

### Interests

1. Psychosomatic Medicine
2. Clinical Neurosciences
3. Neuro-AIDS

### Patient Care

3515 E. Fletcher Avenue, Tampa, FL 33613  
 Call for Appointment

### Publications

[Link to additional publications](#)

1. Giunta B, Ehrhart J, Townsend K, Sun N, Vendrame M, Shytle D, Tan J, and Fernandez F: Galantamine and nicotine have a synergistic effect on inhibition of microglial activation induced by HIV-1 gp120. *Brain Research Bulletin*, 64: 165-170, 2004
2. Townsend KP, Shytle D, Bai Y, San N, Zeng J, Freeman M, Mori Takashi, Fernandez F, Morgan D, Sanberg P, and Tan J: Lovastatin modulation of microglial activation via suppression of CD40, *J Neuroscience Research*, 78: 167-176, 2004
3. Goforth HW, Lupash DP, Brown ME, Tan J, Fernandez F: Role of Alcohol and Substance Abuse in the Immunomodulation of Human Immunodeficiency Virus Disease: A Review, *Addictive Disorders and Their Treatment*, 3: 174-182, 2004
4. Fernandez F: Ten Myths About HIV Infection and AIDS. *Focus*, III (No. 2): 184-193, 2005