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Fifth Annual
NEUROSCIENCE RESEARCH DAY
Friday, February 16, 2007

Friday, February 16, 2007
7:45 a.m. – 3:45 p.m.

Location:

University of Toledo
Dana Conference Center
3110 Glendale Ave.
Toledo, Ohio 43614



University of Toledo
Department of Neurology
and the
Cellular and Molecular
Neurobiology Program
Present the

Fifth Annual
NEUROSCIENCE
RESEARCH
DAY

Introduction

The Department of Neurology and the Cellular and Molecular Neurobiology Program at the University of Toledo College of Medicine (formerly Medical University of Ohio) are pleased to host the 5th “Annual” Neuroscience Research Day. This meeting will be a forum for the latest in basic and clinical neuroscience research across the northwest Ohio region. We encourage neuroscientists, physicians, nurses, allied health professionals, residents, graduate, professional and undergraduate students to attend. The theme for this year’s program will be the “Neurobiology of Nervous System Tumors.” Our guest speakers include Harald Sontheimer, Ph.D., Professor of Neurobiology and Director, Center for Glial Biology in Medicine, University of Alabama, Birmingham who will discuss “Ion Channels and amino acids aid the biology of malignant gliomas,” and Herbert B. Newton, M.D., Professor and Director, Division of Neuro-Oncology, Dept. of Neurology, The Ohio State University, who will speak on “Molecular neuro-oncology and the development of “targeted” therapeutic strategies for brain tumors.” Four additional faculty from the University of Toledo College of Medicine will present their research on the clinical and basic science of brain and peripheral nervous system tumors. After lunch (included with registration), a poster session and two platform sessions will cover the broad range of neuroscience research across the northwest Ohio region.

Objectives

After attending this symposium, participants will be able to:

- Describe the differences in biology of normal and malignant glial cells
- Describe the molecular biology and signal transduction pathways associated with brain tumors
- List ways that these signal transduction pathways are being exploited to develop new, “targeted” drugs that can inhibit the molecular phenotype
- Describe the role of cancer stem cells in the generation of cancerous tumors
- Discuss the molecular mechanisms underlying neuroblastoma stem cell generation and maintenance
- Discuss the role of calcium signaling in neuroendocrine tumor cell survival and function

Symposium Director

L. John Greenfield, Jr., M.D., Ph.D.
Associate Professor
Director, MD/PhD Program
Department of Neurology
University of Toledo

Guest Faculty

Harald Sontheimer, Ph.D.
Professor of Neurobiology and Director
Center for Glial Biology in Medicine
University of Alabama, Birmingham

Herbert B. Newton, M.D.
Professor of Neurology & Oncology
Director, Division of Neuro-Oncology
Esther Dardinger Chair in Neuro-Oncology
Co-Director, Dardinger Neuro-Oncology Center
The Ohio State University Medical Center &
James Cancer Hospital
Columbus, Ohio

University of Toledo Faculty

Azedine Medhkour, M.D.
Assistant Professor
Neurosurgery

William Maltese, Ph.D.
Professor and Chairman
Biochemistry and Cancer Biology

David Giovannucci, Ph.D.
Assistant Professor, Neurosciences
Director, Raymond & Beverly Sackler Laboratory
for Neuroendocrine Tumor Research

Han Fei Ding, Ph.D.
Associate Professor
Biochemistry and Cancer Biology

Accreditation

The University of Toledo and St. Vincent Mercy Medical Center are accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Toledo and St. Vincent Mercy Medical Center designate this educational activity for a maximum of 6.00 AMA PRA Category 1 credits™. Physicians should claim credit commensurate with the extent of their participation in the activity.

Registration Information

TUITION

M.D.'s (seeking CME Credit).....\$20
 All Others.....NO CHARGE

Although no registration fees are required for students and health care professionals who are not seeking CME credit, all individuals MUST register for the program to assist in planning of meals and course materials.

Registration Includes:

- all registration and course materials
- continental breakfast, breaks and lunch
- continuing education credit certificate (with paid fee)

Register:

- By fax (419) 383-6602
- By phone (419) 383-4237
- Online at hsc.utoledo.edu/cme

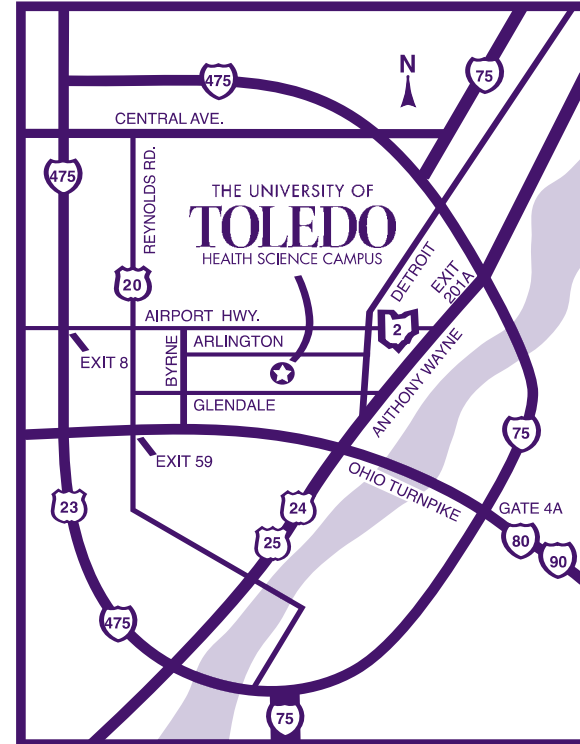
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 Dana Conference Center
 Friday, February 16, 2007**

AGENDA:

7:45 – 8:00am	Registration and Continental Breakfast
8:00 – 8:05	Welcome and Introduction <i>L. John Greenfield, Jr., M.D., Ph.D.</i> Symposium Director
8:05 – 8:40	Current Neurosurgical Treatments for Primary Brain Tumors <i>Azidine Medhkour, M.D.</i>
8:40 – 9:15	A Novel Form of Cell Death Induced by Ras GTPase in Glioblastoma Cells <i>William Maltese, Ph.D.</i>
9:15 – 10:00	Ion Channels and Amino Acids Aid the Biology of Malignant Gliomas <i>Harald Sontheimer, Ph.D.</i>
10:00- 10:20	Break <i>Exhibitor and Poster Viewing</i>
10:20 – 10:55	Calcium Signalling in Neuroendocrine Tumor Cells <i>David Giovannucci, Ph.D.</i>
10:55 -11:30	Neuroblastoma Cancer Stem Cells <i>Han Fei Ding, Ph.D.</i>
11:30–12:15pm	Molecular Neuro-oncology and the Development of “Targeted” Therapeutic Strategies for Brain Tumors <i>Herbert B. Newton, M.D.</i>
12:15 -1:00	Lunch and Poster/Exhibitor Viewing
1:00 - 2:00	Platform session I: 3 talks
2:00 – 2:30	Break, poster viewing
2:30 – 3:30	Platform Session II: 3 talks
3:30 – 3:45	Summary, Evaluation and Final Remarks <i>L. John Greenfield, Jr., M.D., Ph..D.</i>
3:45 PM	Adjournment

Location

The Eleanor N. Dana Conference Center is located at 3110 Glendale Avenue Toledo, OH on the campus of the University of Toledo in Toledo, Ohio between Arlington Avenue and Glendale Avenues, near Byrne Road. To reach UT...



From I-75/475 Northbound

Use Exit 8 (Airport Highway-State Route 2). Proceed east on Airport Highway 3.5 miles to Byrne Road. Turn right on Byrne Road to Glendale Avenue (second traffic signal). Turn left on Glendale to UT entrance drive.

From US 23/I-75 Southbound:

Use Exit 8A (Airport Highway-State Route 2). Proceed east on Airport Highway 3.5 miles to Byrne Road. Turn right on Byrne Road to Glendale Avenue (second traffic signal). Turn left on Glendale to UT entrance drive.

From I-75 Southbound:

Use Exit 201-A (Maumee/U.S.25) to Anthony Wayne Trail; take Glendale Avenue, turn right on Glendale and proceed west to UT entrance drive.

From Ohio Turnpike, East or Westbound:

Use Exit 59, Maumee. Proceed northbound 1 mile on Reynolds Road (U.S. 20) to Glendale Avenue; turn right on Glendale; proceed 2.5 miles to UT entrance on left.

REGISTRATION FORM

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Are you seeking Continuing Medical education credit?
 YES _____ NO _____

Although no registration fees are required for students and health care professionals who are not seeking CME credit, all individuals MUST register for the program to assist in planning of meals and course materials. **Deadline for registration is Friday, February 2, 2007.**

Name _____
 Address _____
 City _____ State _____ Zip _____
 Email address _____
 Telephone () _____
 Specialty/Profession _____
 Credentials/Degree _____
 Organization _____
 Please advise us of any special needs or meals: _____

Please charge \$ _____ to my: (check one)
 MasterCard Visa Discover
 Card Number _____
 Signature _____
 Expiration Date _____
 Amount Enclosed: \$ _____
Make check payable to: CME-UT #97293004
 and mail with this form to:
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 Mail Stop # 1181
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