

## ADVENTURES IN LIFELONG LEARNING

Tallent Hall, 900 Wood Road, Box 2000, Kenosha, WI 53141 262-595-2793



# ALL ABOUT GENETICS

All classes in this 3-part series  
will be held in Tallent Hall, Room 182  
*\*Please note the different time of each class\**

### **CANCER GENETICS & THE ROLE OF A GENETIC COUNSELOR**

1 to 3 PM, Thursday, October 20, 2016

Certified genetic counselor, Amanda Jacquard, counsels and tests individuals who may be at increased risk of cancer due to a personal or family history of cancer, and to those who have an underlying genetic condition. She offers personalized counseling regarding cancer risk and genetics, and describes her work as “educating patients and families about basic genetic concepts and the role genes play in the disease processes, with a goal of helping to mediate the way patients and their families come to terms with the medical and psychological impacts of hereditary conditions.”

### **CELL TRANSPLANTATION**

10 AM to 12 PM, Monday, October 24, 2016

Dr. John Sladek will discuss his contributions to more than two decades of cell transplantation research. He was at the forefront of research involving cell transplantation and Parkinson’s disease, has been a featured speaker at numerous scientific conferences, and has presented more than 350 invited lectures worldwide. He has also given several talks to lay audiences. For example, this spring he returned to Carthage college (where he serves as a Trustee and received his BA degree), and gave the lecture, “The Repairable Brain: Lessons Learned from Cell Transplants.”

### **GENETICS, GENEALOGY, AND YOU**

1 to 3 PM, Tuesday, November 1, 2016

Genetic genealogy covers a wide range of issues: from biology and genetics, to family histories, and global movements of people over many years. It impacts people on a personal level, such as seeing resemblances among cherished family members, to medical issues such as shared predisposition to genetic disorders and health within a family. Dr. David Higgs will introduce us to aspects of genetics that directly relate to genealogy, discussing some common genetic testing methods that are currently available to everyone, and the aspects of results one might obtain from these methods. We’ll broadly cover the science behind this rapidly developing field that lets us take advantage of technology as it becomes more accurate and costs decrease, and help us learn what we might or might not learn from genetic genealogy.



**Dr. John Sladek** was at the forefront of research involving cell transplantation and Parkinson’s disease. He was founding president of the American Society for Neural Transplantation and Repair, and received the group’s Lifetime Achievement Award in 2007. From 1974 to 2012, he maintained a NIH-funded laboratory studying neural repair mechanisms for Parkinson’s disease, chemical neuroanatomy of the mammalian brain, and developmental brain disorders. He was professor and chair of the Dept. of Neurobiology and Anatomy at the University of Rochester School of Medicine, 1982-1991. He next founded, and for 10 years chaired, the Department of Neuroscience and directed the Neuroscience Institute at the Chicago Medical School before moving to the University of Colorado Health Sciences Center, from which he recently retired.



**Amanda Jacquart**, MS, CGC, joined the Medical College of Wisconsin, after receiving her Master of Science Degree in Genetic Counseling from the University of Pittsburg in 2014. She received her BS degree in Human Biology in 2012 from the University of Wisconsin-Green Bay. She became board certified through the American Board of Genetic Counseling in 2015. Ms. Jacquart is originally from northern Wisconsin.



**Dr. David Higgs** is an Associate Professor in the Department of Biological Sciences at the University of Wisconsin-Parkside, where he teaches genetics and molecular biology, among other courses. He earned a BS in Genetics and Cell Biology at the University of Minnesota, a doctorate in Molecular, Cellular, and Developmental Biology at Iowa State University, and did post-doctoral research at the Boyce Thompson Institute for Plant Research at Cornell University in New York. He has been a faculty member at Parkside since 1999, where, in addition to teaching, and with the help of students, he conducts research investigating genetic and cellular processes in plants and algae that help coordinate genes involved in regulating photosynthesis.

*Questions? Please phone MerriLee Unrath at 262-694-7424 or email: mleeu@wi.rr.com*

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**“Genetics”** Registration for all three classes only                      Cost: Members \$15    Guests \$30  
 Registration deadline: Oct. 3, 2016

Name \_\_\_\_\_ Check # \_\_\_\_\_

Address \_\_\_\_\_

Your phone \_\_\_\_\_

Your email \_\_\_\_\_

Emergency contact’s name \_\_\_\_\_

Emergency contact’s phone \_\_\_\_\_

Deliver **cash** registration fees to the ALL office in Tallent Hall. Make **checks** payable to UW Parkside/ALL (deliver or mail to Vanessa). **Credit card** registration fees must be submitted online! An email with the online registration **LINK** will be sent to you around the first Monday each month. Note: as registrations fill, members get preference in signing up.