THE AGING BRAIN:
FRONTIERS OF NEUROSCIENCE IN HEALTH AND DISEASE

Tuesday evenings, March 15 - April 19
7:00 to 8:45 p.m., 513 Parnassus Avenue

The percentage of Americans aged 65 and older will double by 2050, and with this demographic shift the US is preparing for an epidemic of age-related neurological conditions. None of these disorders is more worrisome or urgent than Alzheimer’s disease. Over the past decade much has been learned regarding the biological mechanisms underlying healthy brain function and factors that lead to Alzheimer’s disease and related neurodegenerative conditions. Novel therapies to treat and prevent age-related cognitive decline are on the horizon.

This course, led by a multidisciplinary team of experts at the forefront of aging and brain function, will cover the most recent developments, while dispelling myths and offering hope. You will learn from leading experts in neurology, neuropsychology, neuroscience and geriatrics about how your brain works and how it changes with age. You will have the opportunity to hear expert professors discuss the latest findings regarding the genes and proteins that cause Alzheimer’s disease and frontotemporal dementia. Neuroscientists will describe how they probe neural systems to understand and treat age-related neurological decline, and you will hear practical tips and strategies about how to keep your brain and body functioning at the highest possible level as you age. Issues about caregiving and tips for caregivers will be offered.

COURSE CHAIR:
Bruce L. Miller, MD, A.W. & Mary Margaret Clausen Distinguished Chair, Director, Memory and Aging Center, Professor of Neurology & Psychiatry, UCSF School of Medicine

March 15
How Does the Brain Work and What Does This Tell Me About How I Think?
Bruce L. Miller, MD, A.W. & Mary Margaret Clausen Distinguished Chair, Director, Memory and Aging Center, Professor of Neurology & Psychiatry
Kate Rankin, PhD, Associate Professor of Neurology
Kate Prowse, PhD, Assistant Professor of Neuropsychology

March 22
Healthy Aging of the Brain to Mild Cognitive Impairment
Howard Rosen, MD, Associate Professor of Neurology
Joel Kriener, PhD, Professor of Neuropsychology

March 29
Alzheimer’s Disease and Frontotemporal Dementia
Gir Ratnakar, MD, Assistant Professor of Neurology
Adam Boser, MD, PhD, Associate Professor of Neurology, Director, MAC Clinical Trials Program
William W. Seeley, MD, Associate Professor of Neurology

April 5
Frontiers in the Biology of Alzheimer’s Disease and Other Dementias
Almea Ken, MD, PhD, Assistant Adjunct Professor of Neurology
Keith Vossel, MD, Clinical Instructor, Neurology Research Scientist, Gladstone Institute of Neurological Disease

April 12
Approaches to Care Giving
Jennifer Meredith, RN, PhD, Associate Clinical Professor, UCSF School of Nursing
Cindy Barton, RN, MSN, Assistant Clinical Professor, UCSF School of Nursing
Robert Leverone, PhD, Professor, Department of Psychology, Director, Institute of Personality and Social Research (IPSR), Director, Clinical Science Program and Psychology Clinic, University of California, Berkeley

April 19
Preventing Dementia: Facts and Fiction
Brienne Belscher, PhD, Neuropsychology Fellow
Adam Gaszczak, MD, PhD, Associate Professor of Neurology, Physiology and Psychiatry, Director, Neuroscience Imaging Center

April 20
Control/Alt/Delete: Rebooting the Immune System with Bone Marrow Transplantation
Morton J. Cowan, MD, Professor of Pediatrics; Chief, Blood and Marrow Transplant Division

THE IMMUNE SYSTEM 101:
IT’S A JUNGLE IN THERE

Wednesday evenings, March 16 - April 20
7:00 to 8:45 p.m., 513 Parnassus Avenue

The human immune system is a wondrous communication network that quietly goes about its business 24 hours per day, protecting us from foreign invaders, helping us to adapt to new environments, and allowing us to age gracefully. When it goes awry, however, the result can be allergies, autoimmune diseases, cancers, and other disorders.

In this course you will receive up-to-date information about how a normal immune system functions, and how doctors treat disorders of immunity. Topics will include basic immune function, food and environmental allergies, asthma and the hygiene hypothesis, rebooting of immunity by bone marrow transplantation, and the role of targeted biologic agents in the treatment of human disease.

COURSE CHAIR:
Katherine Gundling, MD, MPH, Associate Clinical Professor, Division of Allergy and Immunology

March 16
Your Immune System 101: Introduction to Clinical Immunology
Katherine Gundling, MD, MPH, Associate Clinical Professor, Division of Allergy and Immunology

March 23
Basic Immunology: Nuts and Bolts of the Immune System
Anthony DeFranco, MD, Professor of Medicine, Department of Microbiology & Immunology

March 30
Allergy, Asthma and Microbes: The Hygiene Hypothesis
Homer A. Boushey, MD, Professor of Pediatrics, Division of Pulmonary/Critical Care, Allergy and Sleep Medicine

April 6
Immunity and the Gastrointestinal Tract: Food Allergy and Inflammatory Bowel Disease
Laurence Cheng, MD, PhD, Health Sciences Clinical Instructor in Pediatrics; Director of Pediatric Allergy Clinic; UCSF Benioff Children’s Hospital
Ulra Mahadevan, MD, Associate Professor of Medicine; Director of Clinical Research, UCSF Center for Celiac and Crohn’s Disease

April 13
The New Biologic Agents: Transforming the Treatment of Autoimmune Diseases
Andrew J. Gross, MD, Associate Professor; Rheumatology Clinic Director

April 20
Control/Alt/Delete: Rebooting the Immune System with Bone Marrow Transplantation
Morton J. Cowan, MD, Professor of Pediatrics; Chief, Blood and Marrow Transplant Division

REGISTRATION ONLINE:
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Do you want to be on our priority email list? YES NO

Select course by checking box(es):
Tuesday evenings, March 15 - April 19
□ MLL11021 The Aging Brain

Wednesday evenings, March 16 - April 19
□ MLL11022 The Immune System 101

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Mail: Send the registration form and your check payable to “UC Regents” to UCSF, P.O. Box 45368, San Francisco, CA 94145-0368.

For information, call 415/476-4261.

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Mini Medical School for the Public

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