Emerging Treatments in Neurological Disease: Genetics and Stem Cells

Emerging Treatments of Neurological Disorders
(Parkinson's, Epilepsy and Multiple Sclerosis)

Eighteenth Annual Neuroscience Symposium of CVCSN

March 16 ~ 17, 2006

Medical Sciences Building Auditorium
Medical College of Virginia Campus, VCU
Richmond, Virginia
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<th>Time</th>
<th>Event</th>
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<tr>
<td>8:00 a.m. ~ 9:00 a.m.</td>
<td>Breakfast and Registration</td>
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<tr>
<td>9:00 a.m. ~ 9:30 a.m.</td>
<td>Dean's Welcome</td>
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<td>9:30 a.m. ~ 10:40 a.m.</td>
<td>Embryonic Stem Cells in Neuroscience Mahendra Rao, Ph.D. National Institute on Aging</td>
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<td>10:40 a.m. ~ 11:00 a.m.</td>
<td>Break</td>
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<tr>
<td>11:00 a.m. ~ 11:50 a.m.</td>
<td>Adult Stem Cells in Neuroscience Steven Goldman, M.D., Ph.D. University of Rochester</td>
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<tr>
<td>11:50 a.m. ~ 12:15 p.m.</td>
<td>Round-Table Discussion</td>
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<td>12:15 p.m. ~ 1:15 p.m.</td>
<td>Lunch Rooms 104 and 105, Medical Sciences Building</td>
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<tr>
<td>1:15 p.m. ~ 2:00 p.m.</td>
<td>Parkinson's Disease Overview: Epidemiology and Genetics Irene Griswold-Prenner, Ph.D. Elan Pharmaceuticals</td>
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<td>2:00 p.m. ~ 2:50 p.m.</td>
<td>Deep Brain Stimulation Treatment for Movement Disorders Kathryn Holloway, M.D. Virginia Commonwealth University</td>
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<tr>
<td>2:00 p.m. ~ 3:10 p.m.</td>
<td>Break</td>
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<tr>
<td>3:10 p.m. ~ 4:00 p.m.</td>
<td>Emerging Treatments in Parkinson's and Huntington's Disease *Steven Goldman, M.D., Ph.D. University of Rochester</td>
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<td>4:00 p.m. ~ 4:25 p.m.</td>
<td>Round-Table Discussion</td>
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<td>6:00 p.m.</td>
<td>Dinner at the Omni Hotel</td>
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*Lowenthal Speaker
Session 3 ~ Epilepsy

9:00 a.m. ~ 9:50 a.m. Genetic Influences on Human Epilepsy and Response to Anti-Epileptic Drugs
Russell Buono, Ph.D.
University of Cincinnati

9:30 a.m. ~ 10:40 a.m. Pharmacogenomics of AEDs
Jose Cavazos, M.D., Ph.D.
University of Texas, San Antonio

10:40 a.m. ~ 11:00 a.m. Break

11:00 a.m. ~ 11:50 a.m. AEDs: Efficacy vs. Effectiveness
William Garnett, Pharm.D.
Virginia Commonwealth University

11:50 a.m. ~ 12:15 p.m. Round-Table Discussion

12:15 p.m. ~ 1:15 p.m. Lunch
Rooms 104 and 105, Medical Sciences Building

Session 4 ~ Multiple Sclerosis

1:15 p.m. ~ 2:00 p.m. Therapeutic Targets in MS
Bruce Trapp, Ph.D.
Lerner Research Institute, Cleveland Clinic Foundation

2:00 p.m. ~ 2:50 p.m. Recent Insights into the Immunopathogenesis of Multiple Sclerosis and Novel Immunomodulatory Strategies
Benjamin Segal, M.D., Ph.D.
University of Rochester
School of Medicine and Dentistry

2:50 p.m. ~ 3:10 p.m. Break

3:10 p.m. ~ 4:00 p.m. Emerging Treatments Repair in Multiple Sclerosis
Ian Duncan, BVMS, Ph.D., FRCPath
University of Wisconsin

4:00 p.m. ~ 4:25 p.m. Round-Table Discussion
A Passionate Man . . . Dr. Werner Lowenthal was a beloved Professor of Pharmacy and Pharmaceutics and the Director of Continuing Education at the VCU School of Pharmacy. He joined the School's faculty in 1961 and gave thirty-one years of his heart and soul to pharmacy education before he retired in 1992.

Werner was a man who deeply loved his family, respected his students' right to a good education and had a special passion for scholarships. He was always proud of the school and the research he and others did. Orphan drugs were one of his “crusading issues” and so it is ironic that he died of a disease about which there is little known and for which there is no cure: Creutsfeld-Jacob Disease.

In establishing the Lowenthal Fund, Dr. Methe’s hope was “that the research funded by this scholarship will look at a number of these types of disorders” so that experimental treatment will become an option for individuals diagnosed with rare, fatal diseases.

Dr. Lowenthal is remembered fondly by his students for his Pharmaceutics Ethics course, his rock paperweights and most importantly his undying passion for scholarships and the discovery of new knowledge. Through this fund, Dr. Lowenthal’s passion will live.

Committee Members
Ben Churn, Ph.D. – Chairman, Susan Robinson, Ph.D., Sean Bates, Susanna Wu-Pong, Ph.D., Jonathan Lifshitz, Ph.D., Charles Cook, Kimberle Jacobs, Ph.D., Babette Fuss, Ph.D., Ellen Firkins, Pat Blanton, Les Satin, Ph.D., Travis Parsons, Ph.D. and Laxmikant Deshpande

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