

CMSC Symposium 3 (May 28, 2015) EAE Model of MS: What have we learned?

Course Timeline

- 9:05 - 9:45: Larry Steinman “EAE at 82: still useful after all these years”
- 9:45 – 10:25 Rhonda Voskuhl “Bedside to Bench to Bedside”
- 10:25 - 10:40 AM Break
- 10:40 – 11:20: Michael Racke “Musings on EAE after 25 years as an MD (mouse doctor)”
- 11:20 – 12noon: Anne Cross “Calorie Consumption and Adiposity in EAE and MS”

Lawrence Steinman MD Professor of Neurology and Pediatrics, Stanford University

- Has made a number of major research contributions to MS, including:
- Discovery of alpha-4 integrin as the main homing molecule to the brain (1992), paving the way for development of natalizumab as treatment for MS.
- Has launched several clinical trials using novel and unique approaches to MS, including use of an antigen-specific DNA vaccine.
- Winner of several Prestigious Prizes:
- John Dystel Prize (2004)
- Elected to the Institute of Medicine of the National Academy of Sciences (2009)
- Charcot Award for Lifetime Achievement in MS Research (2011)
- Elected to the National Academy of Sciences (2015).



Avid Tennis Player and cyclist

Rhonda R Voskuhl MD Professor of Neurology, UCLA

- Native of Oklahoma
- Attended Phillips University on a 4-year basketball scholarship, team captain for 2 years.
- Vanderbilt Univ. Medical School
- Neuroimmunology Fellowship at NIH with Drs. Henry McFarland and Dale McFarlin
- Harry Weaver Neuroscience Scholar of NMSS
- Director, UCLA Multiple Sclerosis Program
- Dr. Voskuhl's accomplishments include:
 - 1) important contributions to understanding sex differences in MS (PI on 4 clinical trials)
 - 2) PI of two multi-center trials of estriol in women with MS
 - 3) work on role of X chromosome genes in autoimmunity in animal models.



Former basketball star at Phillips Univ

Michael K. Racke MD Professor of Neurology The Ohio State University

- Raised in New Jersey
- Power Forward on Haverford College basketball team, holds all time record for rebounds and field goal percentage.
- Neuroimmunology fellowship at NIH with Drs. Dale McFarlin and Henry McFarland.
- Harry Weaver Neuroscience Scholar of the National MS Society
- Important contributions:
 - Cytokine and transcriptional regulation of encephalitogenicity of T cells
 - Performed first studies applying fumarates to EAE (first presented 2001)
 - Four daughters and two sons



Nickname: "The Fun Guy"

Anne Cross MD

Professor of Neurology, Washington University

- Attended University of Alabama Medical School
- Fellowship training at NIH with Drs. Dale McFarlin and Henry McFarland, and in neuropathology with Dr. Cedric Raine (Albert Einstein Coll. Medicine)
- Harry Weaver Neuroscience Scholar
- Demonstrated nitric oxide and peroxynitrite in EAE and MS tissues.
- Trial of B cell depletion with rituximab in combo with beta-IFN or glatiramer.
- “one degree of separation” from Babinski (trained with Paul Yakovlev MD, who trained with Joseph Babinski in Paris in the 1920's. Babinski trained with Charcot).



Auckland Harbor, New Zealand