

CONFERENCE SCHEDULE: THE CALPAIN GENE FAMILY IN HEALTH AND DISEASE

Big Mountain Resort, Whitefish Montana, June 30th – July 5th, 2001

Saturday, June 30

- 4:00 pm FASEB Conference Center opens for registration
- 6:00 pm – 7:00 pm Reception for participants and guests
- 7:00 pm – 8:30 pm Buffet dinner
- 8:30 pm FASEB office closes

Sunday, July 1

- 7:30 am – 8:30 am Continental breakfast/buffet
- 8:30 am – 12:00 noon FASEB office open
- 8:30 am – 8:45 am Opening remarks, Ronald L. Mellgren

SESSION I: Calpain Structure and Function I - calcium regulation of calpains **Moderator: John S. Elce**

- 8:45 am – 9:25 am Zongchao Jia – Queen’s University
“Structural and biochemical insights of calcium response elements of calpain
- 9:25 am – 10:05 am Hiroyuki Sorimachi – University of Tokyo
“Ca-(in)dependency of calpain – towards elucidation of physiological function of p94/calpains
- 10:05 am – 10:35 am Coffee break
- 10:35 am – 11:15 am Peter Davies – Queen’s University
“The calcium switch that aligns the active site of calpain”
- 11:15 am – 11:35 am General discussion
- 12:00 noon – 1:30 pm Lunch

POSTERS I: Presenting authors of odd numbered posters should man their posters from 1:30 pm to 3:00 pm

1:30 pm – 5:30 pm

6:00 pm – 7:00 pm FASEB office open

6:00 pm – 7:00 pm Buffet dinner

SESSION II: Calpain Structure and Function II

Moderator: Joan E.B. Fox

7:00 pm – 7:40 pm John S. Elce – Queen’s University
“Structural determinants of the calcium requirements in mu- and m-calpain”

7:40 pm – 8:20 pm Masatoshi Maki – Nagoya University
“Calpastatin and the penta-EF-hand domain of the calpain subunits: function and evolution”

8:20 pm – 8:30 pm General discussion

DISCUSSION: “The Future of Calpain Research”

Discussion Leaders:

Koichi Suzuki – Tokyo Metropolitan Institute of Gerontology
Ernesto Carafoli – University of Padova
Jacques Beckmann – Weizmann Institute

8:30 pm – 10:00 pm

10:00 pm – midnight Mogul’s Bar and Grill will be open

Monday, July 2

7:30 am – 8:30 am Continental breakfast/buffet

8:30 am – 12:00 noon FASEB office open

SESSION III: Novel Calpain Genes/Non-Mammalian Calpains

Moderator: Dorothy Croall – University of Maine

8:30 am – 9:10 am Neil Dear – Max-Planck Institute for Immunology
“Novel Calpain Genes”

- 9:10 am – 9:50 am Patty Kuwabara – The Sanger Centre
“Analysis of the *C. elegans* calpain TRA-3 and its role in sex determination”
- 9:50 am – 10:20 am Coffee break
- 10:20 am – 11:00 am Peter Friedrich – Hungarian Academy of Sciences
“*Drosophila* calpains”

CALPAIN NOMENCLATURE COMMITTEE REPORT & DISCUSSION
Committee Chairman: Kevin K.W. Wang

11:00 am – 12:00 noon

12:00 noon – 1:30 pm Lunch

POSTERS II: Presenting authors of even numbered posters should man their posters from 1:30 pm to 3:00 pm

1:30 pm – 5:30 pm

6:00 pm – 7:00 pm FASEB office open

6:00 pm – 7:00 pm Buffet dinner

SESSION IV: Calpain Function and Regulation I
Modulator: Hiroyuki Sorimachi

7:00 pm – 7:40 pm Joan E.B. Fox – Cleveland Clinic Foundation
“The role of calpain in integrin-induced signal transduction”

7:40 pm – 8:20 pm Ronald L. Mellgren – Medical College of Ohio
“Calpains, calpastatin, and clonal growth of cultured mammalian cells”

8:20 pm – 9:00 pm Ronald Bardsley – University of Nottingham
“Variability in the calpain system in striated muscle”

9:00 pm – 9:40 pm Klas Blomgren – Goteborg University
“Calpain and calpastatin in cell stress and apoptosis”

9:40 pm – 10:00 pm General discussion

10:00 pm – midnight Moguls Bar and Grill will be open

Tuesday, July 3

7:30 am – 8:30 am Continental breakfast/buffet

8:30 am – 12:00 noon FASEB office open

SESSION V: Calpain Function and Regulation II

Moderator: Ronald L. Mellgren

8:30 am – 9:10 am Darrel E. Goll – University of Arizona
“Phosphorylation of the calpains”

9:10 am – 9:50 am Alan Wells – University of Pittsburgh
“Calpain activation, inhibition and usage during cell motility”

9:50 am – 10:20 am Coffee break

10:20 am – 11:00 am Nechama Kosower – Tel-Aviv University
“New aspects of calpastatin regulation in myoblasts”

11:00 am – 11:40 am Edon Melloni – University of Genoa
“Post-translational modifications of calpastatin modulate inhibitory efficiency and cell localization”

11:40 am – 12:00 noon General discussion

12:00 noon – 1:30 pm Lunch

6:00 pm – 7:00 pm FASEB office open

6:00 pm – 7:00 pm Buffet dinner

SESSION VI: Calpain Function and Regulation III

Moderator: Patty Kuwabara

7:00 pm – 7:40 pm David Potter – Indiana Cancer Research Institute
“Calpain regulates enterocyte differentiation”

7:40 pm – 8:20 pm Yashomati Patel – University of North Carolina
“The role of calpain in adipocyte differentiation”

8:20 pm – 9:00 pm Anna Huttenlocher – University of Wisconsin
“Calpain regulation of cell migration”

9:00 pm – 9:40 pm Two short presentations selected from posters

9:40 pm – 10:00 pm General discussion
10:00 pm – midnight Mogul's Bar and Grill will be open

Wednesday, July 4

7:30 am – 8:30 am Continental breakfast/buffet
8:30 am – 12:00 noon FASEB office open

SESSION VII: Calpains in Pathology I **Moderator: Jacques Beckmann**

8:30 am – 9:10 am Graeme I. Bell – University of Chicago
 “Calpain 10: a putative diabetes-susceptibility gene”
9:10 am – 9:50 am Isabelle Richard – Genethon
 “Calpain 3 and limb-girdle muscular dystrophy type 2A”
9:50 am – 10:20 am Coffee break
10:20 am – 11:00 am Melissa Spencer – University of California, Los Angeles
 “Use of transgenic mice as a means to understand the physiological
 function of calpain 3”
11:00 am – 11:40 am Alfred Stracher – SUNY Health Science Center at Brooklyn
 “Calpain inhibitors as therapeutic agents in muscle and nerve
 degeneration”
11:40 am – 12:00 noon General discussion
12:00 noon – 1:30 pm Lunch

White Water Rafting Trip – for those who wish to go

6:00 pm – 7:00 pm FASEB office open
6:00 pm – 7:00 pm Buffet dinner

SESSION VIII: Calpains in Pathology II **Moderator: Darrel E. Goll**

7:00 pm – 7:40 pm Kevin K.W. Wang – Pfizer, Inc.

	“Truncated m-calpain as a tool for calpain inhibitor design”
7:40 pm – 8:20 pm	Ronald L. Hayes – University of Florida Brain Institute TBA
8:20 pm – 9:00 pm	Rick G. Schnellmann – University of Arkansas for Medical Sciences “Calpains in acute renal cell death”
9:00 pm – 9:40 pm	Two short presentations selected from posters
9:40 pm – 10:00 pm	General discussion
10:00 pm – midnight	Mogul’s Bar and Grill will be open

Thursday, July 5

7:30 am – 8:30 am	Continental breakfast/buffet
8:30 am	FASEB office opens

SESSION IX: Calpains in Pathology III **Moderator: Kevin K.W. Wang**

8:30 am – 9:10 am	Thomas Shearer – Oregon Health Sciences University “Calpain isoforms in lens and cataract”
9:10 am – 9:50 am	Naren Banik – Medical University of South Carolina TBA
9:50 am – 10:20 am	Coffee break
10:20 am – 12:00 noon	Business meeting
	A. Murachi awards presentation – Masatoshi Maki
	B. Discussion of calpain nomenclature – Is there a consensus?
	C. General discussion - Should there be another calpain meeting? If so; when, where, and who will organize? What should we change about the format, organization, setting?