

Hutchinson-Gilford Progeria Syndrome workshop
July 28-29, 2003 Holiday Inn, Bethesda, MD

Agenda

Monday, July 28

8:30 – 8:50 am **Audrey Gordon, Esq., Huber Warner, PhD, Stephen Groft, PharmD**
Welcoming Remarks

8:50 – 9:00 am **Leslie Gordon, MD, PhD**
Overview of the meeting

9:00 – 11:00 am Session 1: Clinical and genetic aspects of HGPS
Chair: Dr. Ted Brown

9:00am – 9:30 am **Ted Brown, MD, PhD**
Overview of HGPS and clinical comparison with other laminopathies

9:30 - 9:40 am Discussion

9:40 - 10:10 am **Francis Collins, MD, PhD**
Lamin defects in Progeria -The HGPS gene defect and what it means

10:10-10:20 am Discussion

10:20 - 10:50 am **Junko Oshima, PhD**
LMNA Mutations in Progeroid Syndromes

10:50 – 11:00 am Discussion

11:00-11:20 BREAK

11:20-11:50 **Colin Stewart, PhD**
Laminopathy Models in Mice

11:50-12:00 am Discussion

12:00 - 1:00 pm LUNCH

12:30-12:45 pm **Huber Warner, PhD: Lunch Discussion**
NIH funding of Progeria: Program Announcements and prospect for RFA for HGPS and Laminopathies now and in the coming year

1:00 – 4:30 pm Session 2: Aging and the Biochemistry of Lamin A
Chair: Dr. Huber Warner

1:00- 1:30 pm **Howard Worman, MD**
Lamin A-structure, function, and protein interactions in the normal and defective states.

- 1:30 – 1:40 pm Discussion
- 1:40-2:10 **Steve Young, MD**
Of Mice and Men: Atherosclerosis and Aging
- 2:10 – 2:20 pm Discussion
- 2:20 - 2:35pm BREAK
- 2:35 – 2:50 pm **Susan Michaelis, PhD**
Can ZmpSte24 be Prompted to Process the HGPS Form of Prelamin A? Insights from Saccharomyces cerevisiae a-Factor Processing
- 2:50-3:00 Discussion
- 3:00 – 3:30 **Judith Campisi, PhD**
Aging Phenotypes and Cellular Responses
- 3:30 – 3:40pm Discussion
- 3:40 – 4:10 pm **Robert Goldman, PhD**
Nuclear Lamin Structure and Function In Healthy and Diseased Cells
- 4:10 – 4:20pm Discussion
- 4:20-4:30 Wrap-up Discussion

Tuesday, July 29

- 8:30 – 8:40 pm **Leslie Gordon, MD, PhD**
Welcoming Remarks
- 8:40 – 10:30 am** **Session 3: Molecular Biology and Physiology of HGPS**
Chair: Dr. Leslie Gordon
- 8:40 - 8:55 am **Leslie Gordon, MD, PhD**
Lipid Profiles and C-reactive protein levels in HGPS
- 8:55 -9:05 Discussion
- 9:05 – 9:35 am **Steven Schwartz, PhD**
Of Mice and Men: Atherosclerosis and Aging
- 9:35 - 9:45 am Discussion
- 9:45 - 10:15 am **Heather Hardie, MD**
Skeletal Findings in Hutchinson Gilford Progeria Syndrome – What? Where? Why?
- 10:15- 10:25am Discussion
- 10:25-10:40 BREAK
- 10:40-11:10 **Frank Rothman, PhD**

11:10 - 11:20 *Microarray Studies of mRNA levels in HGPS*
Discussion

11:20-11:50 am **Anthony Weiss, PhD**
Aggrecan expression is substantially upregulated in Hutchinson-Gilford progeria syndrome skin fibroblasts

11:50 - 12:00 pm Discussion

12:00 - 1:00 pm LUNCH

12:30-12:45 pm **Leslie Gordon, MD, PhD**
Lunch discussion on
PRF Grant Funding, Cell Bank, Database and Diagnostics Center

1:00 – 4:00 pm **Session 4: Round Table Discussion on Treatment Strategies for HGPS**
Chair: Dr. Francis Collins, MD, PhD

1:10-1:30 **Elizabeth Nabel, MD**
Cellular approaches to HGPS

1:30-1:40 Discussion

1:40-2:00 **Darwin Prockop, MD, PhD**
Gene Therapy approaches to HGPS

2:00-2:10 Discussion

2:10-2:30 BREAK

2:30-2:50 **Gregory Hannon, PhD**
RNA inhibition applications to HGPS

2:50-3:00 Discussion

3:00-3:20 **Christopher Austin, MD**
Drug screening and development for Progeria

3:20-3:30 Discussion

3:30-3:50 **Shepherd Schurman, MD**
Leptin Clinical Trials

3:50-4:00 Discussion

4:00-4:30 **Wrap-up Summary : Francis Collins, , MD, PhD**