The workshop will be held from September 28th - 30th 2007 at the Martin-Luther-University Halle-Wittenberg, Germany.

The purpose of this meeting is:

- to make the general public more aware of the problems of age related diseases,
- to promote greater communication among the worldwide community of individuals engaged in biomedical ageing research especially between basic scientists and clinicians and
- to stimulate translational research.

The meeting is organized in cooperation with the German Society for Thoracic and Cardiovascular Surgery (Working Group for the Elderly Patient in Heart Surgery) and the German Society of Gerontology and Geriatrics (Section I: Experimental Gerontology).

The congress will continue meetings on ageing in Halle and thereby hopefully develop to a focus on ageing research in Europe. It will comprise invited talks and poster sessions. There will be no concurrent sessions. The number of participants will be restricted to 140 preferring active participants (poster presentation; registration- and postersubmission-extended deadline 10. September 2007).

All questions should be directed to the main organizer, Andreas Simm

We look forward to welcoming you to Halle for a most exciting and enjoyable meeting.

Cordially,

Andreas Simm
Main Organizer
Friday September 28th 2007

18:00 Opening
Andreas Simm

Address
Rolf-Edgar Silber, Director of the Department of Cardiothoracic Surgery
Christoph Weiser, Vice Rector of the University
Steffen Hauptmann, Vice Dean of Research of the Medical Faculty
Thomas Klöss, Medical Director of the University Clinics
Eberhard Doege, Representative of the City Halle
Thomas Klie, President of the German Society of Gerontology and Geriatrics

Keynote lecture and Schober award

Laudation Thomas Rando by George Martin, Seattle, USA
Keynote lecture: Thomas Rando, Stanford University, Palo Alto, USA
"Ageing of Tissue-Specific Stem Cells: The Role of the Systemic Environment"

20:00 Come Together

Saturday September 29th 2007

08:00 - 10:00 Session 1 - Mechanisms of ageing
Chair: Andreas Simm

<table>
<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>Poly(ADP-ribosyl)ation and Cardiovascular Diseases: Good and Bad within DNA Repair Activity</td>
<td>Sascha Beneke</td>
<td>Konstanz, D</td>
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<td>TERT and Endothelial cell aging</td>
<td>Judith Haendeler</td>
<td>Düsseldorf, D</td>
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<td>Routes To Reversing Age Associated Thymic Atrophy</td>
<td>Richard Aspinall</td>
<td>London, UK</td>
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<td>How the classical evolutionary biological theory of why we age elucidates the origins of human diseases of ageing</td>
<td>George Martin</td>
<td>Seattle, USA</td>
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10:00 – 10:30 Coffee Break

10:30 - 12:30 Session 2 - Protein modification during ageing
Chair: Jürgen Holtz

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<tr>
<th>Title</th>
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<tr>
<td>Degradation of oxidized proteins in aged microglial cells</td>
<td>Tilman Grune</td>
<td>Hohenheim, D</td>
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<td>Protein maintenance in ageing: the role of oxidized protein repair</td>
<td>Bertrand Friguet</td>
<td>Paris, F</td>
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<td>Advanced Glycation Endproducts and their receptor RAGE: markers of the biological age?</td>
<td>Andreas Simm</td>
<td>Halle, D</td>
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<td>Human skin autofluorescence as a marker for advanced glycation endproduct accumulation during ageing</td>
<td>Hugo Corstjens</td>
<td>Oevel, B</td>
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12:30 - 13:30 Lunch Break

13:30 - 15:30 Session 3 - Oxidative Stress
Chair: George Martin

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<tr>
<td>Oxidative-stress induced premature senescence of human diploid fibroblasts: comparison with replicative</td>
<td>Olivier Toussaint</td>
<td>Namur, B</td>
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</tbody>
</table>
The potential role of premature senescence of structural cells in lung emphysema: evidence from experiments with parenchymal lung fibroblasts

Relationship between ageing-related stress and myocardial function in the Newcastle 85+ study

Oxidative stress in surgery and in heart failure: effects of ageing

15:30 - 16:30 Poster Session / Coffee Break

16:30 - 19:00 Session 4 - Skeletal-Heart-Muscle connection

Chair: Franklin Rosenfeld

Age-related muscle weakness: strategies for reversal

Sarcopenia, from a clinical point of view

Inflammation and Ageing

Ageing, heart failure, and the skeletal muscle

Bedrest after cardiac surgery: Big risks; little or no benefits

20:00 Gala-Dinner (Moritzburg)

Sunday September 30th 2007

08:30 - 10:30 Session 5 - Regeneration of the myocardium

Chair: Tilman Grune

Age-related changes of endothelial progenitor cell function

Regulation of the cardiomyocyte cell cycle

Clinical outcome of patients after stem cell treatment

Progenitor cells: isolation, proliferation, and differentiation

10:30 - 11:30 Poster Session / Coffee Break

11:30 - 13:30 Session 6 - Prevention

Chair: Olivier Toussaint

Ageing intervention and prevention through mild stressed-induced hormesis in human cells

Modification of cardiometabolic pathways as a potentially new therapeutic approach for the ageing and the failing heart?

Granzyme B inhibitors: A Novel Means of Preventing Age-Related Tissue Degeneration

Healthy Ageing; form theory to implementation

13:30 - 14:00 Farewell
Keynote-speaker:
Thomas Rando, Stanford University, USA

Speakers:

Richard Aspinall
London, UK

Jurgen Bauer
Nürnberg, D

Sascha Beneke
Konstanz, D

Hugo Corstjens
Oevel, B

Loren J. Field
Indianapolis, USA

Joseph Faherty
St. Louis, USA

Bertrand Friguet
Paris, F

Stephan Gielen
Leipzig, D

David Granville
Vancouver, CAN

Olaf Holz
Großhansdorf, D

Bernd Niemann
Halle, D

Ursula Müller-Werdan
Halle, D

Bernard Keavney
Newcastle, UK

Christoph Piechaczek
Berg. Gladbach, D

Jonathan Powell
Bedford, UK

Thomas Rando
Stanford, USA

Suresh Rattan
Aarhus, DK

Robert Scheubel
Halle, D

Andreas Simm
Halle, D

Christof Stamm
Berlin, D

Alexandra Stolzing
Leipzig, D

LaDora Thompson
Minnesota, USA
Olivier Toussaint
Namur, B
Please download the registration form here:

- Rich Text (rtf), can be edited
- PDF- file

and send it by fax to:

Martin-Luther-University of Halle-Wittenberg
Department of Cardio-Thoracic Surgery
Fax: +49 (0) 345 557 5224

- Registration fee: 100,00 € (students 50,- €)
  (Registration fee includes the Come-Together and the Gala-Dinner)
- Deadline for registration is September 10th 2007

Notes:
Registration fee have to be paid only after confirmation of acceptance! The Registration is complete after the registration fee has been received at our office (Central Office) or has been credited to the conference account. For invited speakers congress-fee is waived!
Prof. Dr. med. Rolf Edgar Silber
Department of Cardio-Thoracic Surgery
Martin-Luther-University of Halle-Wittenberg
Ernst-Grube-Str. 40
D-06120 Halle/Germany

PD Dr. rer. nat. Andreas Simm
Department of Cardio-Thoracic Surgery
Martin-Luther-University of Halle-Wittenberg
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Tel: +49 (0) 345 557 2647
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Prof. Dr. med. Karl Werdan
Department of Cardiology
Martin-Luther-University of Halle-Wittenberg
Ernst-Grube-Str. 40
D-06120 Halle/Germany
The meeting takes place in the lecture rooms of the lion building.

Löwengebäude
Universitätsplatz 11
06099 Halle (Saale)

Google Maps: link

Kartengrundlage:
Stadt Halle (Saale)
FB Vermessung und Geodaten
Kopie mit Genehmigung
Do you have any questions? Please contact:

PD Dr. Andreas Simm  
Department of Cardio-Thoracic Surgery  
Martin-Luther-University of Halle-Wittenberg  
Ernst-Grube-Str. 40  
D-06120 Halle/Germany

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e-mail: andreas.simm@medizin.uni-halle.de
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PD Dr. Andreas Simm  
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