The workshop will be held from

23 - 25 September 2005

at the Martin-Luther-University of Halle - Wittenberg, Germany.

The purpose of this meeting is (1) to make the general public more aware of the problems of age related diseases and especially of cardiovascular aging and (2) to promote greater communication among the worldwide community of individuals engaged in biomedical aging research especially between basic scientists and clinicians.

The congress will continue meetings on ageing in Halle and thereby hopefully develop to a focus on ageing research in Germany. It will comprise invited talks and poster sessions. There will be no concurrent sessions.

We want to invite all participants of the workshop to a on Friday afternoon (2 pm to 5 pm).

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,

PD Dr. Simm
Main Organizer

(Note: Registration fee have to be paid only after confirmation of acceptance! )
Disclaimer
Cardiovascular Ageing: from molecular biology to clinical perspectives

Meeting language English

Friday September 23\textsuperscript{rd} 2005

18:00 opening

\textit{Andreas Simm}

Address

\textit{Rolf-Edgar Silber, Clinics for Cardiothoracic Surgery}
\textit{Bernd Fischer, Dean, Medical Faculty, Martin-Luther-University Halle-Wittenberg}
\textit{Wolfgang Böhm, State Secretary for Science and Culture, Saxony-Anhalt}

Keynote lecture and Schober award

\textit{Laudation George Martin by Ed Lakatta, Baltimore, USA}

Keynote lecture:

\textit{George Martin, Seattle, USA}
\textit{An Update on the What, Why and How Questions in Ageing}

20:00 Come Together

Saturday September 24\textsuperscript{th} 2005

08:00 – 10:00 Session 1 Molecular mechanisms of ageing: basic science
Chair: George Martin, Andreas Simm

\textit{Alexander Bürkle, Konstanz, D}
\textit{Nanette Bishopric, Miami, USA}
\textit{Alan Hipkiss, London, UK}
\textit{Pidder Janssen-Duerr, Innsbruck, AT}

\begin{itemize}
  \item Poly(ADP-ribosyl)ation and aging
  \item Molecular connections in aging and heart failure
  \item Accumulation of altered proteins and ageing - causes and effects
  \item Molecular characterization of senescence-associated apoptosis in human endothelial cells
\end{itemize}

10:00 – 10:30 Coffee Break

10:30 – 13:00 Session 2 Tissue protection during ageing
Chair: Nanette Bishopric, Juergen Holtz

Doerthe Katschinski, Halle  The effect of age on oxygen sensing in the heart  
Rainer Schulz, Essen, D  Signal transduction of ischemic preconditioning  
Andreas Simm, Halle, D  New pathway to prevent ischemic reperfusion injury  
Klaus von Holt, Köln, D  Influence of cigarette smoke and aging on post-ischemic recovery  
Steven Sollott, Baltimore, USA  Mechanisms of Neuroprotection: Lessons from Cardioprotection

13:00 – 14:00 Lunch break

14:00 – 15:30 Session 3  Ageing of organs  
Chair: Holger Hoehn, Steven Sollott  
Anne McArdle, Liverpool, UK  Mechanisms involved in the functional decline in skeletal muscle during ageing  
Christoph Meissner, Lübeck, D  Mitochondrial deletions in different areas of the human brain  
Richard Aspinall, London, UK  Ageing of the immune system; possible causes and methods of reversal

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

16:30 – 18:30 Session 4  Ageing of the vascular system  
Chair: Ed Lakatta, Ulrich Walter  
Michael Buerke, Halle, D  Role of leucocyte interaction and vascular injury  
Ioakim Spyridopoulos, Frankfurt, D  Role of telomere biology and length in cardiovascular aging,  
Douglas R. Seals, Boulder, USA  Modulatory influences on ageing of the vasculature  
Angelika Bierhaus, Heidelberg, D  Role of NF-κB in vascular ageing

20:00 Dinner (Moritzburg)

Sunday September 25th 2005

08:30 – 10:00 Session 5  The aged patient: clinical perspectives  
Chair: Rolf-Edgar Silber, Karl Werdan  
Martin Spiecker, Bochum, D  Heart Failure in Elderly Patients  
Otto-Erich Brodde, Essen, D  Cardiac adrenoceptors: physiologic and pathophysiologic relevance in aging  
Ivar Friedrich, Halle, D  Long term outcome and quality of life after cardiac surgery in octogenarians

10:00 – 11:00 Poster Session / Coffee Break

11:00 – 13:00 Session 6  Interventions
Chair: Pidder-Janssen Duerr, Doerthe Katschinski

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Ed Lakatta, Baltimore, USA</td>
<td>Cross Link Breakers Rejuvenate Older Hearts and Arteries</td>
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<tr>
<td>Susanne Rohrbach, Halle, D</td>
<td>Caloric restriction and mitochondrial function</td>
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<tr>
<td>Stephan Gielen, Leipzig, D</td>
<td>Effects of exercise training on the progression of cardiovascular diseases</td>
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<tr>
<td>Thomas Hollemann, Halle, D</td>
<td>Regeneration: what can we learn from Xenopus</td>
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13:00 – 14:00 Farewell

14:00 - ....  Social Program
Accepted Speakers
(in alphabetical order)

Richard Aspinall
Angelika Bierhaus
Nanette H. Bishopric
Michael Buerke

Imperial College, London
University of Heidelberg
University of Miami
Martin-Luther-University Halle-Wittenberg

Alexander Buerkle
Otto-Erich Brodde
Ivar Friedrich
Stephan Gielen

University of Konstanz
University Duisburg-Essen
Martin-Luther-University Halle-Wittenberg
University of Leipzig

Alan Hipkiss
Thomas Hollemann
Klaus von Holt
Pidder Jansen-Duerr

University of London
Martin-Luther-University Halle-Wittenberg
Philipp Morris Research Laboratories Köln
Austrian Academy of Sciences

Doerthe Katschinski
Edward G. Lakatta
George M. Martin
Anne McArdle

Martin-Luther-University Halle-Wittenberg
National Institute on Aging, Baltimore
University of Washington, Seattle
University of Liverpool
Sponsors
(in alphabetical order)

Our special thanks goes to:

Bayer HealthCare
Datascope
Ethicon
Fumedica
Gutmann
Medtronic
Pfizer
Philip Morris International
Sorin Group
St. Jude Medical
Stockert
Thoratec Corporation
You can send the registration form (pdf) by fax to:

Martin-Luther-University of Halle-Wittenberg
Department of Cardio-Thoracic Surgery
Mrs. Engelhardt
Ernst-Grube-Straße 40
06120 Halle/Saale
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Fax: +49 345 557-2131
E-mail: carla.engelhardt@medizin.uni-halle.de

Do you have questions?

Please contact:
Doz. Dr. Andreas Simm
Phone: +49 345 557-2647
Fax: +49 345 557-7070
E-mail: andreas.simm@medizin.uni-halle.de

Registration fee: 50,00 €

Note: 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!

Deadline for registration is August 26th 2005.

(A later registration is possible.)
Organization Committee

OA PD Dr. Michael Buerke
Prof. Dr. Gerrit Isenberg
Prof. Dr. Rolf-Edgar Silber
Prof. Dr. Karl Werdan
PD Dr. Andreas Simm
Meeting place

The meeting takes place in the lecture rooms of the lion building.

Universitätsplatz
06099 Halle/Saale

Halle Map

![Conference Site Map](image1)

![Conference Site Map](image2)