

Report 2018, Vol.2

CSL BEHRING – PROF. HEIMBURGER AWARD GLOBAL RESEARCH GRANT – GRANT RECIPIENTS



PROF. HEIMBURGER AWARD 2018

ABOUT THE AWARD

The award is named in honor of Professor Dr. Norbert Heimburger, a pioneer of modern coagulation therapy and a CSL Behring employee for more than three decades. Among his many achievements was the development of virus-safe plasma products based on pasteurization. Due to his research efforts the company launched the world's first effectively virus-inactivated FVIII concentrate in 1981.

CSL Behring is committed to supporting long-range progress in the area of coagulation:



PROF. DR. NORBERT HEIMBURGER

Prof. Dr. Norbert Heimburger was born 1926 in Pommern, studied in Freiburg and began his career in 1960 at the Behring-Werke in Marburg. Moreover he worked as a honorary professor at the Justus Liebig University in Gießen.

Prof. Dr. Heimburger, honoured with the Order of Merit of the Federal Republic of Germany in 1991, retired in 1991 but was still very much involved with CSL Behring as a scientific advisor until he passed away in September 2006.

2017 saw the celebration of the 10th anniversary of the Prof. Heimburger Award. To continue this long-standing tradition, once again up-and-coming experts in the field of coagulation research from all over the world were called to apply for this reputed award. The Selection Committee reviews all applications independent from each other and independent from CSL Behring solely based on scientific merit. At the end of the first round of evaluation 10 applicants will be selected to submit a detailed 3 to 4 page proposal on their research project. These proposals will be again reviewed by the scientific Selection Committee to select the five winners of the Prof. Heimburger Award. The whole evaluations process is realized externally and independent of CSL Behring. The grants will be personally awarded at the Prof. Heimburger Award Symposium in Marburg, Germany.



THE SELECTION COMMITTEE

The success of the Prof. Heimburger Award for the last ten years has been evident by the large number of applications which have been consistently received each year from all over the world. This has been realized with the support of renowned scientists who have contributed to the conception and development of this Grant and who are serving on the Selection Committee to continue to support it. The Selection Committee is made up of four specialists in the field of hematology from different parts of the world, who have been asked to use their wide knowledge and expertise to evaluate and select the Prof. Heimburger Award recipients. Their enthusiasm and personal commitment to make this program remarkable and successful is very much appreciated. The current Selection Committee Members are from Japan, Hungary, USA and Germany:



LÁSZLÓ NEMES, MD

National Institute of Haematology
and Blood Transfusion,
Hungary



STEVEN PIPE, MD

CS Mott Children's Hospital,
University of Michigan,
Ann Arbor, MI,
USA



MIDORI SHIMA, MD/PHD

Department of Pediatrics,
Nara Medical University,
Japan



ANDREAS TIEDE, MD

Hannover Medical School,
Hannover,
Germany

PROF. HEIMBURGER AWARD 2018

AWARD CEREMONY 2018

CSL Behring Prof. Heimbürger Awards 2018: Supporting Next Generation Coagulation Specialists

The next generation of coagulation specialist has received renewed support from global biotech leader CSL Behring in linking laboratory science to clinical practice.

Five emerging specialists received CSL Behring Prof. Heimbürger research grants of €20,000 each at its leading-edge facility in Marburg, Germany, where Prof. Norbert Heimbürger practiced and presented his science. The awards given in his name go each year to up-and-coming coagulation experts who hold medical degrees and typically have less than five years faculty experience in hemostasis

The honorees listed below represent the United States, the Netherlands and France and were presented their awards at the 11th annual ceremony on June 22, 2018, by **Jens Oltrogge**, CSL Behring Head of Global Commercial Development, Hematology.

- **Dr. Ferdows Atiq**, Erasmus University Medical Center, Netherlands
Research: The effect of comorbidities on Von Willebrand Factor, Factor VIII levels and bleeding phenotype in patients with Von Willebrand disease
- **Dr. Samantha Donkel**, Erasmus University Medical Center, Netherlands
Research: The Emerging Role of Neutrophil Extracellular Traps (NETs) and the Interaction with Von Willebrand Factor, ADAMTS13 and Fibrinogen in Stroke Pathogenesis
- **Dr. Jessica Heijdra**, Erasmus University Medical Center, Rotterdam, Netherlands
Research: Differentiation of endogenous and exogenous VWF fractions in treatment of Von Willebrand disease ("INSIDE-OUT" study)
- **Dr. Alexandre Theron**, Montpellier University, France
Research: Development of an in vitro model of hemarthrosis and the therapeutic effect of mesenchymal stem cells
- **Dr. Lindsey George**, Perelman School of Medicine, University of Pennsylvania, USA
Research: Biology of Hepatocyte Derived Factor VIII Following AAV Gene Transfer

The grant recipients were determined by the Prof. Heimbürger Award Scientific Board, which comprises four leading experts in the field of coagulation: **Dr. László Nemes**, **Dr. Steven Pipe**, **Dr. Midori Shima** and **Dr. Andreas Tiede**.

Those interested in joining the prestigious group of Prof. Heimbürger Award winners can apply for next year's grants now. The deadline for applications for the 2019 Prof. Heimbürger Award cycle is November 15, 2018.

This year's honorees were joined at the ceremony by several grant recipients from prior years who provided updates on their research.

- **Dr. Anne Angelillo-Scherrer**, 2011 winner, Physician-in-Chief and Chairwoman of the Department of Hematology & Central Hematology Laboratory at the Inselspital / Universitätsspital in Bern, Switzerland. She and her group are working on targeting the anticoagulant Protein S in hemophilia to improve coagulation. The importance of Protein S as an anticoagulant and key regulator of thrombin generation becomes evident from the severe clinical manifestations observed in patients with Protein S deficiency.
- **Dr. Brian Branchford**, 2013 winner, Assistant Professor at the Department of Pediatrics at the University of Colorado, USA. Dr. Branchford presented his current work on a small molecule-inhibitor of Gas6/MERTK, a signaling pathway involved in platelet aggregation and thrombus formation.

- **Dr. Luís Graça**, 2009 winner, Associate Professor at the University of Lisbon Medical School, Portugal. Dr. Graça highlighted the importance of the Prof. Heimburger Award in his scientific career. As an immunologist, he studies mechanisms that induce and maintain immune tolerance. Patients with hemophilia can harbor immune responses against therapeutically administered FVIII, which ultimately limits treatment efficacy. Dr. Graça is working to overcome this unmet need.

In addition to giving attendees an overview of their current projects, the prior-year honorees welcomed the most recent group of Prof. Heimburger Award winners into their prestigious fraternity. CSL Behring employees around the globe and the many patients they serve are looking forward to hearing about the progress this year's winners make in developing medicines and treatments that may one day save lives.

CSL Behring encourages emerging investigators in the field of coagulation to submit applications now for next year's round of Prof. Heimburger Award grants.



PROF. HEIMBURGER AWARD 2018

GRANT RECIPIENTS



FERDOWS ATIQ, MD

The effect of comorbidities on von Willebrand factor, Factor VIII levels and bleeding phenotype in patients with von Willebrand disease



SAMANTHA DONKEL, MD

The Emerging Role of Neutrophil Extracellular Traps (NETs) and the Interaction with Von Willebrand Factor, ADAMTS13 and Fibrinogen in Stroke Pathogenesis



JESSICA HEIJDRA, MD

Differentiation of endogenous and exogenous VWF fractions in treatment of von Willebrand disease ("INSIDE-OUT" study)



ALEXANDRE THERON, MD

Development of an in vitro model of hemarthrosis and the therapeutic effect of mesenchymal stem cells



LINDSEY GEORGE, MD

Biology of Hepatocyte Derived Factor VIII Following AAV Gene Transfer



WINNERS PROF. HEIMBURGER AWARD 2008 – 2017

2008

Sebastian Andre, France
Yesim Dargaud, France
Paula James, Canada
Carolyn Miller, UK
Jörg Schüttrumpf, Germany

2009

Francesco Dentali, Italy
Albert T. A. Mairuhu, Netherlands
Luis Graca, Portugal
Grazia L. Mendolicchio, Italy
Rochelle Winikoff, Canada

2010

Margareth Castro-Ozelo, Brazil
Attie Tuinenburg, Netherlands
Antonia Follenzi, Italy
Christophe Goubau, Belgium
Liesbeth De Waele, Belgium

2011

Chee Wee Tan, Australia
Janine van Loon, Netherlands
Mindy Simpson, USA
Jan Emmerechts, Belgium
Anne Angelillo-Scherrer, Switzerland

2012

Sara Stoof, Netherlands
Zane Kaplan, Australia
Laurent Gilardin, France
Sachiko Kanaji, USA
Laurens Nieuwenhuizen, Netherlands

2013

Brian Branchford, USA
Marie Baaij, Netherlands
Heiko Rühl, Germany
Karin P.M. van Galen, Netherlands
James D. McFadyen, Australia

2014

Satoshi Nishimura, Japan
Dominic Pepperell, Australia
Axel Schlagenhauf, Austria
Marleen Straat, Netherlands
Alice van Velzen, Netherlands

2015

Ashwini Bennett, Australia
Bryce Kerlin, USA
Jenny Klintman, Sweden
Tesse Leunissen, Netherlands
Michelle Sonneveld, Netherlands

2016

Johan Boender, Netherlands
Antonino Cannavò, Italy
Alessandro Casini, Switzerland
Michiel Coppens, Netherlands
Christopher Ng, USA

2017

Sandra LeQuellec, France
Elise Huisman, Netherlands
Maaïke Blaauwgeers, Netherlands
Beth Warren, USA
Saravanan Subramaniam, USA

GRANT DETAILS AND APPLICATION FOR 2019

CSL Behring is committed to supporting progress in the area of coagulation in the long run. Based on recent publications and feedback from the medical community, allowing the next generation of coagulation specialists to medically and scientifically establish themselves, it is important to ensure continued progress in this therapeutic area. CSL Behring will fund the next cycle of a global grant program to support the above objective.

Grant Details and Eligibility

CSL Behring will set up 5 global start-up grants of € 20,000 each.

The grants are reserved for researchers who hold a medical degree. Applicants with less than 5 years faculty experience in haemostasis will be preferred. No matching funding is a prerequisite for this grant. The grants will be available for clinical and/or preclinical research in the area of coagulation.

Application Procedure

Application forms and information flyer can either be downloaded via:

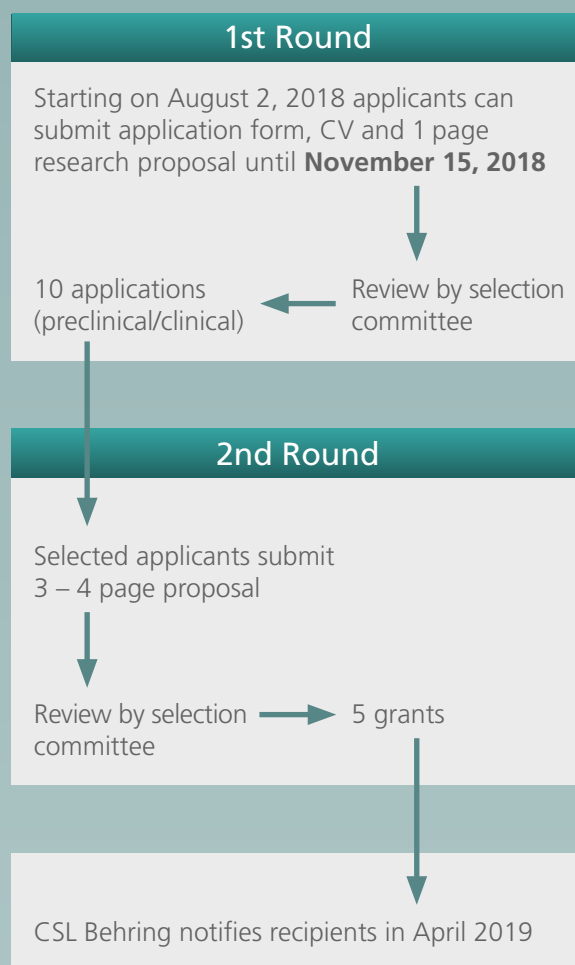
www.cslbehring.com/r-and-d/awards-and-grants/professor-heimburger-award

or obtained from the following address:

CSL Behring GmbH
Att. Dieter Pluennecke
Commercial Development
Emil-von-Behring-Strasse 76
35041 Marburg, GERMANY
T: +49 6421 394191
E-mail: Heimburger.Award@cslbehring.com

For inquiries regarding application, policy and procedures information, please contact us. Applications consisting of application form, short CV and research proposal (one-pager) must be postmarked by **November 15, 2018** to be considered for the next cycle. Applications should be submitted in English to the address above.

CSL Behring – Prof. Heimburger Award Application and Decision Process:



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