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# Guidelines for submitting a nomination for the Life Sciences and Physics prizes awarded by the Beutenberg Campus Jena e.V.

Every year the Beutenberg Campus Jena e.V. awards two science prizes for outstanding work by young researchers in life sciences and physics. One prize is for the best doctoral thesis in the field. The second prize honours an outstanding scientific achievement by a young researcher. All nominations that are submitted by the deadline are evaluated by a jury composed of the Beutenberg institutes' directors. The prizes are usually presented in spring as part of the 'Noble Gespräche' series of public talks by Nobel laureates. If there is no suitable nominee, the prize is not awarded in that year. The prizes are currently worth 1000 euros.

## Guidelines for nominations:

- Those eligible to be nominated are scientists who have obtained their PhDs in physics, biology, earth sciences, bioinformatics, chemistry, medicine and related fields. Substantial parts of the candidates' work must have been carried out at one of the Beutenberg Campus institutes.
- The nomination can be a proposal from an individual or from one of the institutes.
- As a rule, candidates for the science prize for young researchers should not be older than 35 at the time of nomination, while candidates for the doctoral thesis prize should not have been older than 30 when they finished their PhD.
- Nominations can be submitted in English or German.
- Documentation relating to a candidate's work should not total more than four pages (Arial, 11 p), including an explanation of how the results fit in with current research in the field and a description of the context in which the work was done. The nomination must be signed by the candidate's supervisor or by the head of the institute.
- The biography/Curriculum Vitae of the candidate can be up to two pages long (Arial 11 p) and should contain the person's current address or other contact details.
- Original theses or papers are not necessary.
- Nominations can be submitted by letter or e-Mail (PDF file) directly to the Campus office (campus@beutenberg.de) or to the chairperson of the board of Beutenberg Campus Jena e.V.

- The jury awards the prizes according to the following criteria:
  - Quality or scientific demands of the work, reflected in the number and importance of the publications, taking into account the candidate's age.
  - Relevance of the work to the campus motto 'Life Science meets Physics'
  - Mobility/international character of the candidates

# Previous winners of the science prizes

## ***Outstanding Young Researchers:***

**2005** **Prof. Dr. Christian Hertweck, HKI**
„Über das Verständnis der mikrobiellen Polypeptidbiosynthese zu neuen Wirkstoffen“
**2006** **-**
**2007** **Dr. Jörg Degenhardt, MPI-CE**
„Biosynthese und ökologische Funktionen von pflanzlichen Terpenen“
**2008** **Priv.-Doz. Dr. Wolfgang Fritzsche, IPHT**
„Nanobiophotonik“
**2009** **Dr. Matthias Brock, HKI**
„Biochemie und Physiologie huma-pathogener filamentöser Pilze“
**2010** **Dr. Robert Möller, IPHT**
„Chipbasierte Bioanalytik“
**2011** **PD Dr. Bejamin Dietzek, IPHT**
„Ultrakurzzeitspektroskopie”
**2012** **Dr. Martin Jung, MPI-BGC**
„Analyse des globalen Stoff- und Energieaustauschs“
**2013** **Prof. Dr. Alexander Szameit, FSU-IAP**
„Diamant-/Kohlenstoffbasierte optische Systeme“
**2014** **-**
**2015** **Dr. Ute Neugebauer, IPHT und UKJ der FSU Jena**
„Klinisch-Spektroskopische Diagnostik"
**2016** **-**

***Outstanding Doctoral Theses:***

**2005 Dr. Claudia Voelckel, MPI-CE**
„Herbivore-Induced Changes in the Transcriptome of *Nicotiana attenuata*“

**2006 Dr. Andrea Walther, HKI**
„Molekulare Analysen des Aktinzytoskeletts des polaren Wachstums in *Ashbya gossypii* und *Candida albicans*“

**2007 Dr. Robert Möller, IPHT**
„DNA-Chips mit elektrischer Detektion - Entwicklung und Anwendung eines Affinitäts-Chips mit elektrisch-resistivem Nachweis“

**2008 Dr. Kerstin Riedel, FLI**
„Methoden zur Untersuchung biologischer Moleküle mittels Festkörper-Kernresonanzspektroskopie“

**2008 Dr. Carsten Sachse, FLI**
„High-resolution electron cryo-microscopy of amyloid fibrils“

**2009 Dr. Shree Prakash Pandey, MPI-CE**
„The role of small RNAs in regulating stress-induced responses in *Nicotiana attenuate*”

**2010 Dr. Jessica Meinhardt, FLI**
„Structural polymorphism of Alzheimer's Amyloid-ß aggregates"

**2011 Dr. Marcel Thön, HKI**
„Redox regulation of the *Aspergillus nidulans* CCAAT-binding factor (AnCF)" ”

**2012 Dr. Alexander Heidt, IPHT**
„Novel coherent supercontinuum light sources based on all-normal dispersion fibers"

**2013 Dr. Daniel Henry Scharf, HKI**
„Neue Mechanismen der Regulation und Biochemie von Penicillin- und Gliotoxin-Biosynthese in *Aspergillus sp.*”

**2014 Dr. Tom Bretschneider, HKI**
„*In-vitro*-Charakterisierung nicht-kanonischer Ketosynthasen und Imaging-Massenspektrometrie von Naturstoffen“

**2015 Dr. Qian Chen, HKI**
„Autoantibodies and a factor H-related hybrid protein deregulate complement in dense deposit disease"

**2015 Dr. Dr. Alexander Schulz, FLI**
„Die Rolle des Tumorsuppressorproteins Merlin bei der Pathogenese von NF2-assoziierter Polyneuropathie"

**2016 Dr. Matthias Forkel, MPI-BGC**
“Controls on Global Greening, Phenology and the Enhanced Seasonal CO2 Amplitude. Integrating Decadal Satellite Observation and Global Ecosystem Models”