

# Georg Schramm

[gschramm.github.io](https://gschramm.github.io)
[Leuven, Belgium](#)
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[Google Scholar](#)
[gschramm](#)

## Education

- PhD Technische Universität Dresden, Germany, Medical Imaging** Apr 2011 – Jan 2015
- attenuation correction in PET/MR
  - summa cum laude
- MSc Technische Universität Dresden, Germany, Physics** Sept 2005 – Jan 2011
- simulation of neutron capture and photon scattering
  - among the top 5 of the graduates of the faculty of science in 2011

## Experience

- KU Leuven, Assistant Professor of Molecular Image Reconstruction and Analysis** Leuven, Belgium  
Sept 2023 – present  
2 years 6 months
- leading a research group focused on the development of novel methods for improved image reconstruction and analysis in molecular imaging
  - development of tools for the analysis of molecular imaging data and the translation of these tools into clinical practice
- Stanford University, Instructor** Stanford, USA  
Aug 2022 – July 2023  
1 year
- instructor in the lab of Prof. Fernando Boada focussing on anatomy-guided sodium MRI reconstruction
- KU Leuven, Postdoctoral Researcher** Leuven, Belgium  
Apr 2015 – July 2022  
7 years 4 months
- PostDoc in the lab of Prof. Johan Nuyts focussing on the development of novel methods for image reconstruction and analysis in PET (e.g. structure-guided PET reconstruction)

## Awards

- 2025, [Runner-up of the ultra low dose PET denoising challenge](#)
- 2024, [Winner of the PET reconstruction challenge \(PETRIC\) by SyneRBI](#)
- 2014, [PhD award of Helmholtz-Zentrum Dresden-Rossendorf](#)
- 2014, [Award for notable achievements in nuclear medicine from German Society of Nuclear Medicine](#)
- 2011, Ehrenfried Walter von Tschirnhaus Prize from TU Dresden

## Skills & Interests

- Physics in Nuclear Medicine:** modeling of photon interactions, detector physics, PET, SPECT
- Applied Mathematics:** inverse problems, image reconstruction, large-scale optimization, machine learning
- Scientific Computing:** high performance computing, software design, software project management

## Languages

- German - Native speaker, English - Fluent, Dutch - Fluent

## References

- Professor Johan Nuyts (KU Leuven)
- Professor Kris Thielemans (University College London)
- Professor Fernando Boada (Stanford University)
- Professor Andrew Reader (King's College London)