

ALEXEY TARASOV

PROFESSOR OF BIOMEDICAL ENGINEERING
HEAD OF NANOELECTRONICS & BIOSENSING LAB



RESEARCH.

-  **Biosensors**
-  **Nanoelectronics**
-  **Graphene & 2D Materials**
-  **Biointerfaces**
-  **Point-of-Care Diagnostics**
-  **Integrated Microsystems**

We develop next-generation biosensors and integrated diagnostic systems at the interface of nanoelectronics, materials science and life sciences.

ABOUT.

After moving from Russia to Germany in 1999, Alexey Tarasov studied Physics at Heinrich Heine University Düsseldorf, including an exchange semester at Macquarie University in Sydney, Australia.

His studies were supported by a scholarship from the Friedrich Naumann Foundation.

He obtained his PhD in Experimental Physics from the University of Basel, Switzerland, graduating summa cum laude with research on silicon nanowire field-effect transistor biosensors.









His subsequent research at the Georgia Institute of Technology (USA) was supported by the Early and Advanced Postdoc Mobility Fellowships of the Swiss National Science Foundation.

Before joining Kaiserslautern University of Applied Sciences in 2019, he led a research group at the BioMed X Institute in Heidelberg.

RESEARCH LEADERSHIP.

-  **Head of Nanoelectronics & Biosensing Lab**
-  **Priority Professorship for Research in Nanomaterials and Biosensors (BMFTR)**
Funded through the FH-Personal programme by the Federal Ministry of Research, Technology and Space.
-  **Full Member, Integrated Miniaturised Systems (IMS)**
Research Focus Area of Kaiserslautern University of Applied Sciences.
-  **Full Member, Doctoral Cluster Medical and Environmental Life Sciences**
Authorized to supervise doctoral candidates and participate in doctoral degree awarding.
-  **Head of Degree Programmes**
 - Chip Technologies for Medicine and Microsystems (B.Sc.)
 - Chip Technologies for Medicine and Microsystems – Dual Study Programme (B.Sc.)

IMPACT & MENTORING.

 €12M+ Research funding acquired since 2019	 2 Granted patents	 2 Patent applications	 13 Researchers and staff in the Lab
 9 Postdoctoral researchers supervised	 3 Completed doctoral theses	 4 Ongoing doctoral projects	 20+ Master's and Bachelor's theses supervised

ACADEMIC CAREER.



PUBLICATIONS.

Research outputs include (approx):

-  **40+**
Peer-reviewed journal articles
-  **15+**
Conference papers and proceedings
-  **1**
Book chapter
-  Contributions to books, reviews and research roadmaps
-  **2**
Granted patents

[VIEW GOOGLE SCHOLAR PROFILE →](#) **3,172** Citations **28** h-index **36** i10-index

CONTACT.

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