

Dr. rer. nat. Dimitri Stowbur

Personal Data

Status/Function:	Postdoctoral Research Fellow
Scientific focus:	Cancer Immunotherapy and modulation of the tumor microenvironment
Phone:	+49 7071 29 83639
Fax:	+49 07071 29 4451
Email:	dimitri.stowbur@med.uni-tuebingen.de

Education and qualifications

2018 – 2023	Dr. rer. nat. in Immunology University of Tübingen, Germany
2016 – 2018	Master of Science in Biomedical Sciences Free University of Brussels, Belgium
2012 – 2016	Bachelor of Science in Biomedical Sciences Free University of Brussels, Belgium

Work Experience

Since Nov 2022	Postdoctoral Research Fellow Research Focus: Immunology and Cancer Immunotherapy Department for Preclinical Imaging and Radiopharmacy, University of Tübingen, Germany Group: Immunology + Adv. Precl. Metabolic Imaging and Cell Engineering
Nov 2018 – Nov 2022	PhD Student Research Focus: Immunology and Cancer Immunotherapy Department for Preclinical Imaging and Radiopharmacy, University of Tübingen, Germany Group: Immunology
Sep 2018 – May 2018	Internship at the Center for Neurosciences (C4N) Research Focus: (Healthy) brain aging Free University of Brussels, Belgium
Apr 2017 – May 2017	Internship at the Department for Regenerative Medicine Research Focus: Congenital cortical malformations University hospital of Brussels (UZ Brussel), Belgium
Feb 2017 – Mar 2017	Internship at the Department for Hematology Research Focus: Antithrombin deficiency University hospital of Brussels (UZ Brussel), Belgium

Teaching Experience

Practical laboratory courses in animal handling in biomedical sciences for undergraduate students, Free University of Brussels, Belgium

Practical laboratory course in basic computer tomography scans for undergraduate students in molecular medicine, University of Tübingen

Supervision of master student in biochemistry for laboratory rotation

Additional Qualifications and Skills

Language skills: German, English, Dutch, French, Russian

IT qualification: MS Office, GraphPad Prism, Image J, NCBI, FlowJo, FCS Express, Matlab, π -mod

Conferences

Conferences:

Novel concepts in innate immunity – AMSYS 2023, Tübingen, Germany:

Poster: Presentation: Acidosis promotes immune escape through the IFN- γ -induced induction of PD-L1 transcription in cancer cells

International Societies for Investigative Dermatology Meeting – ISID 2023, Tokyo, Japan:

E-Poster: Acidosis promotes immune escape through the IFN- γ -induced induction of PD-L1 transcription in cancer cells

1st International Conference Cluster of Excellence “Image-Guided and Functionally Instructed Tumor Therapies” – iFIT 2023, Zell am See, Austria:

Poster Presentation: Acidosis promotes immune escape through the IFN- γ -induced induction of PD-L1 transcription in cancer cells

49ste Tagung Arbeitsgemeinschaft Dermatologische Forschung, – ADF 2023, Innsbruck, Österreich

Poster: Immune checkpoint inhibitor-based activation of tumor infiltrating cells is related to an increase in NF κ B activity within the tumor micro environment monitored by bioluminescence imaging (BLI)

7th International Cancer Immunotherapy Conference – CICON 2022, New York, USA:

Poster: Longitudinal noninvasive in vivo bioluminescence imaging (BLI) of an endogenous immune cell related increased increase in NF κ B activity within the tumor micro environment as a novel innovative tool to predict the efficacy of cancer immunotherapy

Association for Cancer Immunotherapy – CIMT 2022, Mainz, Germany:

Poster: In vivo monitoring of immune cell activation and ex vivo characterization of the tumor microenvironment during a combined immunotherapy using bioluminescence imaging (BLI)

48ste Tagung Arbeitsgemeinschaft Dermatologische Forschung Tagung, – ADF 2022, Virtual Meeting

Oral Presentation: Oncolytic virus therapy as a powerful promoter of a combined tumor antigen specific Th1 cell and immune checkpoint inhibitor-based cancer immunotherapy

Excellence Cluster 2180 – Image-guided and Functionally Instructed Tumor Therapies – iFIT Retreat 2021, Tübingen, Germany:

Poster: Oncolytic viruses as a powerful promoter of immune checkpoint inhibitors and tumor antigen specific Th1 cell-based cancer immunotherapies in pancreatic cancer

World Molecular Imaging Congress – WMIC 2021, Virtual Meeting:

Oral Presentation: In vivo monitoring of atherosclerosis by visualization of sr39tk expressing smooth muscle cells with [18F]FHBG positron emission tomography/magnetic resonance imaging (PET/MRI)

16th European Molecular Imaging Meeting – EMIM 2021, Göttingen, Germany:

Oral Presentation: Cre/lox-assisted non-invasive in vivo tracking of vascular smooth muscle cells by positron emission tomography/magnetic resonance imaging (PET/MRI) in mice developing atherosclerosis

14th ESMI Winter Conference – TOPIM 2020, Les Houches, France:

Poster: Intra-peritoneal administered oncolytic viruses promote and catalyze immune checkpoint inhibitor based immune therapies of pancreatic cancer

SFB TR 240: Platelets – molecular, cellular and systemic functions under physiological and pathological conditions, 2019 Tübingen, Germany:

Oral Presentation: Imaging Immunotherapies

14th European Molecular Imaging Meeting – EMIM 2019, Glasgow, Scotland:

Attendance

MOSA conference at the Faculty of Health, Medicine and Life Sciences (FHML) 2018, Maastricht, Netherlands:

Poster: The involvement of system x_c^- in (healthy) brain aging

Publications

S. Feil, **D. Stowbur**, *et al.* Cre/lox-assisted non-invasive in vivo tracking of vascular smooth muscle cells by positron emission tomography/magnetic resonance imaging (PET/MRI) in mice developing atherosclerosis. *Circulation Research*. 2023.

P. Knopf*, **D. Stowbur***, *et al.* ***equally contributed**. Identification of tumor draining lymph nodes (TDLN) using a multi-modal non-invasive in vivo imaging approach. *Molecular Imaging and Biology*. 2023.

P. Knopf, **D. Stowbur**, *et al.* Acidosis promotes immune escape through the IFN- γ -induced induction of PD-L1 transcription in cancer cells. *Nature Molecular Cancer*. 2023.

Courses

Federation of European Laboratory Animal Science Associations, FELASA A Accreditation, Feb 2017

Federation of European Laboratory Animal Science Associations, FELASA B Accreditation, Feb 2017

Federation of European Laboratory Animal Science Associations, FELASA C Accreditation, Nov 2017

Free University of Brussels, Federal Public Health, Food Chain Safety and Environment

Training Session Biosafety, University hospital of Brussels (UZ Brussel)

Small Animal Imaging Workshop of the Werner Siemens Imaging Center, Tübingen, Germany

Research grants

Image-guided and Functionally Instructed Tumor Therapies (iFIT) Flex Funding 2020

Professional Memberships

Since 2018 - 2021: **ESMI – European Society of Molecular Imaging**

Awards and Honors

ISID 2023 Travel Funding, International Societies for Investigative Dermatology Meeting – ISID 2023

Student Travel Stipend, World Molecular Imaging Congress – WMIC 2021

Innovation group work award, ESMI Winter Conference – TOPIM 2020