

PERSONAL

Last name, first name: Zlobec, Inti
 Place of birth: Montreal, Canada
 Workplace: Institute of Pathology, University of Bern
 Murtenstrasse 31, 3008 Bern, Switzerland
 Tel. +41 31 632 8755, Fax. +41 31 632 4995
 E-mail: inti.zlobec@pathology.unibe.ch

EDUCATION

Post-doctoral Fellow, University of Basel, Basel, Switzerland

- Institute of Pathology, Supervision: Prof. Dr. med. Luigi M. Terracciano,

Doctor of Philosophy, PhD, McGill University, Montreal, Canada

- Department of Pathology, Department of Mathematics and Statistics
- Joint Supervision: Prof. Dr. med. Jeremy Jass and Dr. Nilima Nigam,

CURRENT EMPLOYMENT & ACTIVITIES

Professor of Digital Pathology, Institute of Pathology, University of Bern, 2022-

- **Research group:** digital pathology, AI, colorectal cancer, molecular pathology, tumor budding, tumor microenvironment, tumor heterogeneity
- **Digital pathology project lead:** implementation of digital pathology research and diagnostics, including lab workflow, MD usage, hardware, software, integrations, testing of AI tools, validation of components
- **Senior consultant Translational Research Unit (TRU) and Tissue Bank Bern (TBB):** support of digital developments, including next-generation Tissue Microarrays (www.ngtma.com), image analysis platform, establishment of multiplexing technologies, biobanking. Former founder and Head of TRU and TBB (2012-2022).

Chair Working Group IT (Computational) European Society of Pathology 2021-present

- **Tasks:** Organisation of European Congress of Pathology Annual Meeting, communication with group, invitation of members, administration, interaction with other societies

Center for Artificial Intelligence in Medicine (CAIM, www.caim.unibe.ch), University of Bern 2020-present

- Executive Team Member and responsible for Pillar IV, Research Fund

Co-founder and President Swiss Consortium for Digital Pathology (SDiPath, www.sdipath.ch) 2019-present

- **Tasks:** Setting up digital pathology guidelines for Switzerland, organization of interdisciplinary meetings on all aspects affecting digital and computational pathology, information exchange for Switzerland.

Jazzercise Instructor (2019-present)

- Teaching 2-3 classes of dance fitness/week

On-going funded projects

Foundation	Year	Title	Role
Innosuisse	2021-2023	Investigation of Tumor Budding in CRC for Personalized Medicine (industry partner: Lunaphore)	Co-PI
Swiss National Science Foundation	2020-2024	Function and regulation of CDX2 in colon cancer tumor budding and dissemination	PI
Swiss National Science Foundation- SINERGIA	2020-2024	Transomic approach to colorectal cancer: an integrative computational and clinical perspective	PI
Personalized Health and Related Technologies	2018-2021	Novel approach to refining risk stratification for colorectal cancer patients: application of deep CNN	Co-PI

		to predict outcome and molecular subtyping. PI: Jean-Philippe Thiran, EPFL	
Rising Tide Foundation	2018-2021	New approach to refining risk stratification for colorectal cancer patients: application of CNN (deep learning) to predict outcome and molecular subtyping	PI
Swiss Cancer League	2018-2021	Refining Risk-Stratification for Colorectal Cancer Patients: Convolutional Neural Network Analysis of Histological Images to Predict Outcome and Molecular Subtyping	PI

SUPERVISION

Post-doctoral fellows	PhD students	MSc (Bioinformatics)
Huu-Giao Nguyen	Christian Abbet (on-going)	Mauro Gwerder (2021)
	Elias Baumann (on-going)	Ibai Lertxundi (on-going)
	Ana Frei (on-going)	Micha Eichmann (2020)
	Amjad Khan (on-going)	Shushan Toneyan (2019)
	Kristin Uth-Gottardi (2020)	Tim Ogi (2020)
	Stefan Zahnd (2019)	Laura Purcaro (2021)
		Sven Wallau (2020)
		Jannis Wallau (2020)

25 Medical master thesis or dissertation students, including 2 on-going.

TEACHING

Course	Level	Approx. hrs/year	Approx. students	Year
AI in the clinic	Graduate	2	5	2021-
General Pathology & Histology	Undergrad	4	20	2012-now
3 rd year medicine	Medical	3	150	2012- now
1 st year medicine	Medical	72	12	2012-2016
Cancer Genomics	Graduate	8	40	2014- now
Biomarkers	Undergrad	1.5	15	2014- now

Additional special courses: Digital Pathology Course, Vet Faculty, Dec 1-3, 2021; MSc in Artificial Intelligence for Medicine and Medical Research- Summer Trimester, University of Dublin, and others; AI week (internal education)

MEMBERSHIPS

Executive Team Member- Center for AI in Medicine (CAIM), University of Bern
 Swiss Consortium for Digital Pathology (SDiPath)- Founder and current president
 Swiss Association of Gastrointestinal Pathology (SAGIP)
 American Association for Cancer Research (AACR)
 Swiss Society of Pathology (SGPath)
 European Society of Pathology (ESP)

Organisation of conferences

2-3 Meetings of the Swiss Consortium for Digital Pathology/yearly
 Annual Meeting of the European Society of Pathology, Basel, 2022
 Digital Pathology & AI in the DACH region, planned for February 3rd, 2022