

PERSONAL

Last name, first name: Zlobec, Inti
 Place of birth: Montreal, Canada
 Workplace: Institute of Pathology, University of Bern
 Murtenstrasse 31, 3010 Bern, Switzerland
 Tel. +41 31 632 8755, Fax. +41 31 632 4995
 E-mail: inti.zlobec@unibe.ch

CURRENT EMPLOYMENT & ACTIVITIES

Professor ('Extraordinarius') of Digital Pathology April 2022-

- **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
- **Research group leader–Colorectal cancer & digital pathology research** H-index: 64 (on 18.11.2022)
Topics: digital pathology, AI, colorectal cancer, molecular pathology, tumor budding,

Associate Professor Institute of Pathology, University of Bern 2011-March 2022

Head of the Translational Research Unit (TRU) and Manager Tissue Bank Bern

- **Tasks:** leading team of 10 scientists and technicians, management of all aspects of core facility, which includes histology technique, slide scanning, next-generation tissue microarrays www.ngtma.com, image analysis, multiplexed immunofluorescence, digitization, HFG conform workflows
- **Tasks:** management of biobank and projects, ensuring HFG workflows, quality control of samples, accreditation, ethico-legal aspects, national (Swiss Biobanking Platform)/international cooperation

Chair Working Group Digital and Computational (DCP) 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, Studio Bern, Switzerland (2019-present)

- Tasks: Teaching 2-3/week classes of jazzercise fitness

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,

ON-GOING FUNDED RESEARCH PROJECTS

Foundation	Year	Title	Amount	Role
Innosuisse	2021-2023	Investigation of Tumor Budding in CRC for Personalized Medicine (industry partner: Lunaphore)	450'540 CHF	Co-PI
Swiss National Science Foundation	2020-2024	Function and regulation of CDX2 in colon cancer tumor budding and dissemination	632'000 CHF	PI

Swiss National Science Foundation- SINERGIA	2020-2024	Trans-omic approach to colorectal cancer: an integrative computational and clinical perspective	2'875'765 CHF	PI
Personalized Health and Related Technologies	2018-2022	Novel approach to refining risk stratification for colorectal cancer patients: application of deep convolutional neural networks (DCNN) to predict outcome and molecular subtyping. PI: Jean-Philippe Thiran, EPFL	182'918 CHF	Co-PI
Rising Tide Foundation	2019-2022	New approach to refining risk stratification for colorectal cancer patients: application of convolutional neural networks (deep learning) to predict outcome and molecular subtyping	293'800 CHF	PI
Swiss Cancer League	2018-2022	Refining Risk-Stratification for Colorectal Cancer Patients: Convolutional Neural Network Analysis of Histological Images to Predict Outcome and Molecular Subtyping	361'270 CHF	PI

SUPERVISION OF STUDENTS/ POSTDOCS

Current research group: 2 post-docs, 7 PhD students, 2 Master students, 2 medical students
 Medicine (M Med) > 25 completed dissertations
 MSc Bioinformatics and computational Biology 8 completed
 PhD Graduate School Cell Biology 3 completed
 Post-doctoral fellows

TEACHING

Course	Level	Approx. hrs/year	students	Year
AI in the clinic	Graduate	2	5	2021-
General Pathology and Histology	Undergraduate	4	20	2012-now
Invasion and Metastasis	Medical 3rd year	0.75	150	2012- now
Problem Based Learning	Medical 1st year	72	12	2012-2016
Cancer Genomics	Graduate	8	40	2014- now
Biomarkers	Graduate	1.5	15	2014- now
Genomic instability	Medical 3rd year	0.75	150	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)

LANGUAGES

Proficiency in English, French, Croatian, German

KEYNOTES

1. European Congress of Computer Vision (ECCV) (online). Keynote speaker. October 24th, 2022 "2001: A Digital Pathology Odyssey".
2. MICCIA 2022, Singapore, Sept 18th. Keynote speaker. "Tissue medicine goes digital".
3. European Congress of Veterinary Pathologists, Sept 29th (online). "Tissue microarrays in the era of digital pathology: useful or useless".
4. European Congress of Pathology 2022, Basel, Sept 4th. Keynote speaker. "2001: A Digital Pathology Odyssey".