PROF. DR. ANDREAS BOLAND

PERSONAL INFORMATION

Nationality: Address:		tment of Molecular and Cellular Biology
	Scien Quai	orsity of Geneva ces III Ernest-Ansermet 30
		Geneva erland
Phone:	+41 (0	0) 22 379 61 27
Email: Web:		as.Boland@unige.ch bolandlab.org or https://mocel.unige.ch/research-groups/andreas-boland/overview
Researcher II	D: <u>https:</u>	//orcid.org/0000-0003-1218-6714 //scholar.google.co.uk/citations?user=6Vvsl-cAAAAJ&hl=en&oi=sra
EDUCATION		
01/2009 - 01/). in Biochemistry
		Planck Institute for Developmental Biology, Tübingen, Germany
		ctural characterisation of eukaryotic mRNA decay factors" sor: Prof. Dr. Elisa Izaurralde († 30 th April 2018)
		ded with distinction (summa cum laude).
11/2007 - 12	/2008 Rese a	arch for degree thesis (Diplomarbeit) in Biology
	Leibn	iz Institute for Age Research, Jena, Germany
		or: Prof. Dr. Christoph Englert
	Cnar	acterisation of the + and -KTS isoforms of the tumour suppressor protein WT1"
EMPLOYMEN	T HISTORY	
12/2018 - nov		ant Professor at the University of Geneva
		tment of Molecular and Cellular Biology prsity of Geneva, Sciences III, Geneva, Switzerland
	Unive	Tsity of Geneva, Sciences III, Geneva, Switzenand
01/2014 - 10		oc as EMBO and Marie Skłodowska-Curie fellow
		or: David Barford laboratory, Division of Structural Studies Laboratory of Molecular Biology (LMB), Cambridge, United Kingdom
		JECTS / AWARDED GRANTS AS PRINCIPAL INVESTIGATOR
2024 - 2026		nedical relevant GPCR targets using camelid single-chain antibodies. n foundation, single applicant. 300'000 CHF (currently evaluated)
2023 - 2027		the molecular mechanisms underlying chromosome segregation.
	Swiss Nationa	l Science Foundation (SNF), "Swiss ERC Starting grant", single applicant.
2023	1'155'788 CH Faster and de	F eper: acquisition of a Falcon 4i camera with Selectris X for high-end cryo-
2025		t DCI Geneva.
		of the DCI-Geneva, main applicant.
2022 2024		F and 1'000'000 CHF matching funds as joint effort.
2022 - 2024		League, single applicant.
	363'050 CHF	
2022		yoEM structure of the µ-opioid receptor bound to a nanobody antagonist.
	50'000 CHF	est Boninchi, Co-applicant with Prof. Miriam Stöber.
2022	Hybrid pixel	detector for electron microscope Talos LC120."
		ing microED at cryogenic, Co-applicant.
	71'370 CHF	

2019 – 2023 Structural studies of cytokine-mediated signal transduction. SNF, sole applicant. 530'880 CHF 2019 Mechanisms of leptin-mediated cell signalling. Fondation Ernst et Lucie Schmidheiny, single applicant. 19'000 CHF 2019 Structural studies of cell cycle regulatory proteins. Novartis Foundation for Medical-Biological Research, single applicant.

55'000 CHF

In total (as main applicant): \approx 3.3 Mio CHF.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2019 – now	PhD candidates: Postdoctoral scientists:	Anna Höfler, Lina Poulain, Sophia Schmidt, Li Yao Jun Yu, Xuefeng Zhang, Margherita Botto, Elda Bauda
		Andrea Švorinić
	Technicians:	Caroline Gabus, Yvan Pfister

SCIENTIFIC REVIEWING ACTIVITIES

2021 – now	Reviewer for the journals Nature, Nature Structural & Molecular Biology (NSMB),
	Structure, Communications Biology, Protein Science and Molecular Biotechnology.
2021 – now	Reviewer for a project grant of the Swiss National Science Foundation (SNSF)
2021 – now	Reviewer for a project grant of the Medical Research Council (MRC), UK

MEMBERSHIPS IN SCIENTIFIC SOCIETIES

2020 – now	Member of "LS2 Life Science Switzerland"
2012 – now	Member of "Gesellschaft für Biochemie und Molekularbiologie e.V." (GBM)

FELLOWSHIPS AND AWARDS

01/2023 - 12/2027	Selected for the EMBO Young Investigator Program (YIP)
03/2016 - 02/2018	Marie Skłodowska-Curie postdoctoral fellowship. Horizon 2020 programme
06/2014 - 02/2016	European Molecular Biology Organization (EMBO) Long-term fellowship
01/2014 - 05/2014	Career developmental fellowship (CDF) from the MRC-LMB
01/2009 - 01/2014	Predoctoral fellowship at the MPI Tübingen

SELECTED CONFERENCE PARTICIPATIONS / SEMINARS IN 2022 - 2024

05/2024	"Structural and functional characterization of drivers of eukaryotic cell cycle progression"
	(EMBO YIP Lecture, Roscoff), Invited Speaker
01/2024	"Using cryoEM to visualize drug targets (EMBO workshop Heidelberg), Invited Speaker
01/2024	"The molecular mechanisms of human separase regulation" Oxford University, Invited Speaker
01/2024	Seminar at the Wellcome Centre Cell Biology (University of Edinburgh), Invited Speaker
05/2023	"Using cryoEM to visualize (small) drug targets (Human Technopole), Invited Speaker
05/2023	"Using cryoEM to visualize (small) drug targets (EMBO YIP conference), Invited Speaker
03/2023	"Visualising the complex dynamics of biological membranes", Tel Aviv, Invited Speaker
10/2022	The cell cycle: One engine – many cycles, EMBO workshop, Konstanz, Invited Speaker
09/2022	Genome organisation by SMC complexes, Edinbourgh, Invited Speaker
09/2022	5 th Austrian CRYO-EM SYMPOSIUM, Vienna, Invited Speaker
06/2022	DCI Symposium, Geneva + Lausanne, Organiser
01/2022	BZMB-Kolloquium, Bayreuth, Invited Speaker

TEACHING ACTIVITIES

2022 – now	Scientific Writing and Communication
2022 – now	Biochimie pour biologists (méthodes)
2022 – now	Master Course in Genetics, Development and Evolution (GDE)
2021 – now	Biochimie III
2019 – now	Molecular Biosciences PhD course