

Ana Bura

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POSITION Research and Teaching Assistant

EDUCATION

- 2018 – Present Department of Biotechnology, University of Rijeka (Rijeka, Croatia)
Ph.D. program *Medicinal chemistry*
-working on Ph.D. thesis in Laboratory for hematopoiesis, mentor: Antonija Jurak Begonja
- 2016 – 2018 **Master of Biotechnology in Medicine (*summa cum laude*)**
Department of Biotechnology, University of Rijeka (Rijeka, Croatia)
Graduate program *Biotechnology in medicine*
Master's thesis: *Characterization of SACM1L and PI4P in Dami cell line and primary megakaryocytes*; Laboratory for hematopoiesis; mentor: Antonija Jurak Begonja, Ph.D.
-working on master thesis in Laboratory for hematopoiesis
Grade point average: 4.81 (max 5.00)
- 2013 – 2016 **Bachelor of Biotechnology and Drug Research (*summa cum laude*)**
Department of Biotechnology, University of Rijeka (Rijeka, Croatia)
Undergraduate program *Biotechnology and drug research*
Final paper's thesis: *Phosphoinositides' role in intracellular membrane traffic*;
Laboratory for hematopoiesis; mentor: Antonija Jurak Begonja, Ph.D.
Grade point average: 4.93 (max 5.00)
- 2009 – 2013 First Rijeka's Croatian High School (Rijeka, Croatia)

WORK EXPERIENCE

- Oct 2018 – Present **Research and Teaching Assistant**
Department of Biotechnology, University of Rijeka, Laboratory for hematopoiesis, project 2400 founded by the Croatian science foundation (HRZZ) *Role of phosphoinositides in platelet formation* (Rijeka, Croatia)
- Dec 2019 – Present **Contributing Writer**
mbio.hr; Rijeka, Croatia
Writing journal articles on science for the site mbio.hr; section: Journal Club

- Oct – Dec 2019 **Erasmus+ visiting PhD student**
Telethon Institute for Genetics and Medicine (TIGEM), (Naples, Italy)
- Jan – Sept 2018 **Associate Researcher**
Department of Biotechnology, University of Rijeka, Laboratory for hematopoiesis, project 2400 founded by the Croatian science foundation (HRZZ) *Role of phosphoinositides in platelet formation* (Rijeka, Croatia); master thesis researcher, mentor: Antonija Jurak Begonja, Ph.D.
- Feb – Apr 2018 **Erasmus+ Intern**
Établissement français du sang (INSERM, EFS Grand Est, BPPS UMR-S 1255, FMST) University of Strasbourg (F-67000 Strasbourg, France)
- Oct – Nov 2017 **Student Teaching Fellow**
Jan – Feb 2017 Department of Biotechnology, University of Rijeka (Rijeka, Croatia)
-help before and during laboratory exercises (Immunology)
- Apr – Jun 2016 **Student Teaching Fellow**
Apr – Jun 2015 Department of Biotechnology, University of Rijeka (Rijeka, Croatia)
- help before and during laboratory exercises (Analytical Chemistry)

ADVANCED TRAINING AND ADDITIONAL EDUCATION

- 2019 Workshop on Education; Better Skills for Better Jobs: Education and Training for Successful Research Careers
Croatian Society of Biochemistry and Molecular Biology *Crossroads in Life Sciences*; Lovran, Croatia, 25-28 September
- 2019 Staff training for work with experimental animals (C category)
Veterinarian faculty, University of Zagreb (Rijeka-Zagreb, Croatia); 01-06 July
- 2019 FEBS/EMBO Advanced Lecture Course *Molecular Organization, Function and Dynamics of Biomembranes* Institut d'Etudes Scientifiques Cargèse (Cargèse, France); 10-20 June
- 2019 EMBL Course *Fundamentals of Widefield and Confocal Microscopy and Imaging* European Molecular Biology Laboratory (Heidelberg, Germany); 13-17 May
- 2018 Summer School *Eukaryotic Transcription and its Regulation* Foundation for research and technology (Heraklion, Greece); 16-20 July
- 2017 Summer School *Pathophysiology and current Public health issues* St. Cloud State University/University of Rijeka (Rijeka, Croatia); 12-21 June

2017 Spring School *ICT, economical and organizational issues for e-health integration in the enlarged Europe* (Koper, Slovenia); 22-24 May

LANGUAGES

Mother tongue	Croatian	
Other languages	English	Understanding – C1; Speaking – C1; Writing – C1
	Italian	Understanding – B2; Speaking – B1; Writing – A1
	French	Understanding – B1; Speaking – B1; Writing – A2

GRANTS AND SCHOLARSHIPS

- 2019/2020 Erasmus+ grant for internship, University of Rijeka, internship at: Telethon Institute for Genetics and Medicine (Naples, Italy)
- 2019 FEBS Youth Travel Fund grant for participation at the advanced practical course *Molecular Organization, Function and Dynamics of Biomembranes* (Cargèse, France)
- 2019 Boehringer Ingelheim Fonds travel grant for participation at the EMBL Course *Fundamentals of Widefield and Confocal Microscopy and Imaging* (Heidelberg, Germany)
- 2019 Grant from the fund Sizif of University of Rijeka Foundation for active participation at the FEBS3+ Meeting *From molecules to living systems* (Siófok, Hungary)
- 2018 Onassis Foundation student grant for participation in the 2018 Lectures in Biology and Chemistry devoted to *Eukaryotic Transcription and its Regulation*, Onassis Foundation Science Lecture Series (Heraklion, Greece)
- 2017/2018 Erasmus+ grant for internship, University of Rijeka, internship at: *Établissement français du sang* (INSERM, EFS Grand Est, BPPS UMR-S 1255, FMTS), University of Strasbourg (F-67000 Strasbourg, France)
- 2013 – 2018 Scholarship for gifted high school students and college students of city of Rijeka
- 2017 Grant from the fund Sizif of University of Rijeka Foundation for student scientific research projects, project: *The role of PI4P and PI(4,5)P₂ in megakaryocyte maturation and platelet formation* (duration: one year)
- 2017 Student grant for the participation in the VII Spring School on *ICT, economical and organizational issues for e-health integration in the enlarged Europe* (Koper, Slovenia)

- 2015 Grant for a developmental exchange program in organization of University of Rijeka and Leo club Rijeka, goals: volunteering and cultural exchange (Istanbul, Turkey)
- 2011 – 2013 Scholarship for gifted high school students and college students of city of Rijeka

HONOURS AND AWARDS

- 2019 Best poster award; 1st prize for the best poster titled *The role of PI(4,5)P₂ and its phosphatase OCRL on actin cytoskeleton during platelet activation*; Congress of the Croatian Society of Biochemistry and Molecular Biology *Crossroads in Life Sciences*; Lovran, Croatia, 25-28 September
- 2013 Acknowledgment of Ileana Foundation for the best student of the Italian high school and First Rijeka's Croatian Gymnasium
- 2012 The Prize Book Award of the Harvard Alumni Association (Croatia)

LABORATORY AND RESEARCH SKILLS

Western blot; immunocytochemistry; cell culture (liquid, 3D); confocal, epifluorescent and light microscopy; transfection; infection; retroviral production; PCR; cloning; mouse bone marrow isolation; mouse fetal liver isolation; mouse and human platelet isolation; ImageJ; GraphPad Prism; MS Office

CONFERENCE PARTICIPATIONS

- 2019 Bura A., Bertović I., Jurak Begonja A. **The role of PI(4,5)P₂ and its phosphatase OCRL on actin cytoskeleton during platelet activation.** (poster) Congress of the Croatian Society of Biochemistry and Molecular Biology *Crossroads in Life Sciences*; Lovran, Croatia, 25-28 September
- 2019 Bura A., Bertović I., Jurak Begonja A. **The role of PI4P and its phosphatase SACM1L in primary megakaryocytes.** (poster) FEBS/EMBO Advanced Lecture Course *Molecular Organization, Function and Dynamics of Biomembranes*; Cargèse, Corse, 10-20 June
- 2018 Bura A. **Characterization of SACM1L phosphatase and PI4P in Dami cell line and primary megakaryocytes.** (oral presentation, plenary lecturer) International Biomedical Student Congress Rijeka (BRIK); Rijeka, Croatia, 08-10 November
- 2018 Bura A., Bertović I., Jurak Begonja A. **Expression and localization of SACM1L phosphatase and PI4P in Dami cell line and primary mouse megakaryocytes.** (poster) The 2018 FEBS Special Meeting on Golgi: Membrane trafficking in cell organization and homeostasis; Sorrento, Italy, 15-19 October

- 2018 Bura A., Bertović I., Boscher J., Jurak Begonja A. **Characterization of SACM1L phosphatase and PI4P in Dami cell line and primary megakaryocytes.** (poster) FEBS3+ Meeting *From molecules to living systems*; Siófok, Hungary, 02-05 September
- 2017 Bura A. **Nanotechnology in Food Industry.** (oral presentation) Eight student congress Food and clinical diet therapy; Rijeka-Opatija, Croatia, 16-18 June
- 2016 Bura A. **Food Biotechnology.** (oral presentation) Seventh student congress Food and clinical diet therapy; Rijeka-Opatija, Croatia, 10-12 June

MEMBERSHIPS

- 2018 – Present Croatian society for biochemistry and molecular biology (HDBMB)
- 2015 – 2018 Member of the association Student Informative Corner, journalist
- 2015 – 2018 Member of the Department of Biotechnology Council as one of the student representative
- 2014 – 2018 Member of the Student Council of Department of Biotechnology; President (2016 – 2018)
- 2014 – 2018 Member of the Student Association of Biotechnology of Rijeka, supervisor of the volunteer activity

OTHER

- 2014 – Present active volunteering; participations: Science Festival of city of Rijeka, event *Open doors of Department of Biotechnology*, several case study competitions, Student Mentor project, children's play *Who is stronger – the immune system or viruses?* at the Scientific Interdisciplinary Meeting *STEM Field in the Educational System: TODAY FOR TOMMOROW*; mentor at science competition at the international event *STEM Games*; invited speaker at the panel discussion *SAS Talks: Scholars have the word!* at the Scholarships fair.