

**Curriculum vitae**  
**dr.sc. Beata Halassy**

**Education**

University of Zagreb, Faculty of Science, Zagreb, Croatia:

1999-2003 PhD in the field Natural Sciences, Biology (supervisor prof. dr. sc. Jelka Tomašić)

1995-1998 Master of Sciences in the field Natural Sciences, Biology (1995-98) (supervisor prof.dr.sc Jelka Tomašić)

1989-1994 Dipl. ing. in Molecular Biology (1989-94) (supervisor of Diploma Thesis prof. dr. sc. Vladimir Delić)

**Work Experience (current employment in bold):**

University of Zagreb, Centre for Research and Knowledge Transfer in Biotechnology (CRKTB):  
**Scientific Senior Research Scientist with Tenure, head of laboratory (2020-now);** Senior Research Scientist (2014-2020); Senior Research Associate (2013-2014); Head of CRKTB's Scientific Council (2013-2014)

Institute of Immunology Inc.: Head of Institute of Immunology's Scientific Council (2009-2013); Senior Research Associate, head of laboratory (2008-2013); Research Associate (2004-2008); PostDoc (2003-2004); PhD student (1999-2003); Master of Science student (1994-1999)

**Principal investigator of the scientific/technological projects (active ones are denoted in bold):**

1. **„Development of oncolytic virotherapy for the treatment of cancer in animals“, financed from NPOO program, 2024/01-2026/06, Partner: Genera d.d., budget: 1.328.945,81 EUR**
2. **“Oncolytic vesicular stomatitis prototype preparation”, financed from NPOO program, 2024/07-2024/06, budget: 199.000,00 EUR**
3. **„Ex vivo/in vitro model for oncolytic Virotherapy Efficacy evaluation (MOVE)“, financed from Croatian Science Foundation (CSF), 2024/12-2027/12, budget: 199.985,00 EUR**
4. „Centre of scientific excellence for virus immunology and vaccines (CERVirVac)“, financed by Ministry of Science, 2014-2019, (project leader: prof. dr. sc. Stipan Jonjić, Medical Faculty of University of Rijeka; B.H. was a leader of partner institution University of Zagreb, CRKTB), budget: 139.620,00 EUR, for CRKTB 40.000,00 EUR
5. „Strengthening the capacity of CerVirVac (Croatian Centre of Excellence for Virus Immunology and Vaccines) for research in viral immunology and vaccinology“, financed by European Regional Development Fund, 2017-2022, (project leader: prof. dr. sc. Stipan Jonjić, Medical Faculty of University of Rijeka; B.H. was a leader of partner institution University of Zagreb, CRKTT), budget: 5 mil EUR, for CRKTB 1 mil. EUR
6. CSF Research Project „Development of premises for implementation of SARS-CoV-2 serotherapy in Croatia“, CoVig, 2020-2022., budget: 200.000,00 EUR
7. CSF Research Project „Development of sustainable antitoxin downstream processing“, ANTI TOX NEW, 2015-2020, budget: 132.250,00 EUR

8. Croatian-Slovenian research project "Antivenomics as a tool to increase efficacy of specific and paraspecific serotherapy against envenomation with Viperidae venoms ", 2016.-2017., budget 2.700,00 EUR
9. Croatian Slovenian research project " Isolation of long-nosed viper (*Vipera ammodytes ammodytes*) venom components and analysis of their immunogenicity "; 2010.-2011., budget: 2.700,00 EUR
10. Ministry of Science project Immunogenicity of complex antigens components, 021-0212432-2033, 2007- 2014, budget: 70.000,00 EUR
11. Development of novel immunisation procedure in antivenom production; technological project TP-05/0021-01; 2006.-2008. financed by Ministry of Science (37,5%) and Institute of Immunology Inc. (62,5%), budget: 210.000,00 EUR
12. Croatian Slovenian research project " Analysis of immunogenic characteristics of the long-nosed viper (*V. a. ammodytes*) venom components"; 2006-2007, budget 2.700,00 EUR

**As a collaborator** B.H. way active in 12 projects since 1994, still active are the two of them:

1. „Development of immunoaffinity chromatography with native elution for the purification of Vesicular stomatitis virus“, PI Adela Štimac, 2023/11-2027/11
2. Croatian-Slovenian research project " Development of in vitro bioassay to asses the effect of cathepsin inhibitors on SARS-CoV-2 infection ", PI Sanda Ravlić, 2023-2025

### **Mentorship**

PhD theses: Sanja Mateljak Lukačević (2018 – 2021): Dora Sviben (2008-2013, co-mentorship), Tihana Kurtović (2008-2013); Maja Lang Balijsa (2004-2012)

Master of Science thesis: Valerija Vdović (2003 – 2008)

Diploma thesis: Marko Dorotić (2008-2009)

Mentorship of Postdoctoral students: Tihana Kurtović (2013-2017); Dora Sviben (2018-2019); Sanda Ravlić (2019-2021), Sanja Mateljak Lukačević (2023).

### **Awards:**

- 2021 Finalist in EIT RIS competition **Leaders** for Women Innovators in Manufacturing
- 2006 “Vera Johanides” Award for Young Scientist of the Croatian Academy of Engineering for personal scientific progress and respectable scientific activity in the Field of Biotechnology in the past 5 years
- 2003 Annual Award of University Professors and Other Teachers of Zagreb Society for young scientists and artists, for article "Adjuvant activity of peptidoglycan monomer and its metabolic products", by B. Halassy, M. Krstanović, R. Frkanec & J. Tomašić, published 2002. in *Vaccine* (21: 761-766)
- 2002 Award for scientific presentation on the Annual Meeting of Croatian Immunological Society, November 22 - 24, 2002., Trakošćan, Hrvatska
- 2001 Annual Award of the Croatian Immunological Society for article "A novel ELISA for determination of polysaccharide specific immunoglobulins", by B. Halassy Špoljar & J. Tomašić, published 2001 in *Vaccine* (19:924-930)“

1993. Dean's Award for the Best Student's Work

**Intellectual property:**

1. Patent application „A pharmaceutical kit for oncolytic virotherapy of breast cancer, its preparation and use“, PCT/EP2021/080992 (inventors Halassy B, Forčić D, Kurtović T)
2. US patent „An Elution Mobile Phase and Process for Immunoaffinity Chromatography of Viruses, Patent No. 10,597,640, issued on March 24, 2020 (inventors Brgles M, Halassy B, Forčić D)
3. European patent „An Elution Mobile Phase and Process for Immunoaffinity Chromatography of Viruses (EP3408383B1), issued on December 18, 2019. (inventors Brgles M, Halassy B, Forčić D)
4. Invention: “Novel immunisation protocol for production of antisera against European vipers' venom“. Protected as a business secret of the Institute of Immunology, Inc., 2009.

**Scientific publications:** B. Halassy has published 75 scientific articles in recognized international journals (69 original research articles, 2 clinical case studies, 2 review articles, 3 letter/comments i 1 conference proceeding). Her scientific work has been cited 1018 times, h-indeks is 20 according to ISI WoS All Databases (accessed 19.02.2025). In the last 5 years objavila she published 22 sceintific papers, half of this number as the corresponding author.

**Career breaks:**

Maternity leaves: **02/1997-04/1998; 08/2003-10/2004; 01/2008-12/2008**

**List of scientific achievements:** <http://bib.irb.hr/lista-radova?autor=223834>