



# Zoltán Hegedűs

Senior Research Associate  
Institute of Biophysics & Core Facilities  
Biological Research Center Szeged



## SCIENTIFIC DEGREES

- 1991.** Master Degree, Molecular Biology (*JATE, Szeged, Hungary*)
- 1999.** Ph.D., Immunology (*JATE, Szeged, Hungary*)
- 2000.** BSc. Programmer (*SZOFI, Szeged, Hungary*)
- 2001.** BSc. System administrator (*SZOFI, Szeged, Hungary*)

## PUBLICATION PARAMETERS

|                                  |           |
|----------------------------------|-----------|
| <b>In extenso publications:</b>  | 51        |
| <b>Cumulative IF:</b>            | 220.62    |
| <b>Citations:</b>                | 1409/1179 |
| <b>Book chapters:</b>            | 2         |
| <b>University lecture notes:</b> | 0         |
| <b>Hirsch index:</b>             | 18        |

## CURRENT POSITIONS

**2012-** Senior research associate, *Biological Research Center, Institute of Biophysics & Core Facilities, Szeged, Hungary*

## EXTERNAL WORKPLACES

## NOTABLE INTERNATIONAL RESEARCH GRANTS

- 2010-2012** [NKTH-ANR] (NSPEPBAC - TET\_09\_FR\_ANR\_BIO-NSPEP) “Role of nodule-specific Medicago peptides in terminal differentiation of nitrogen fixing bacteroids”, **participant, 128 450 000 HUF**
- 2007-2010.** [FP6-2005-LIFESCIHEALTH-7] (ZF-TOOLS 037220) “High-throughput Tools for Biomedical Screens in Zebrafish”, **work package leader, 1 739 000 EU**

## NOTABLE NATIONAL RESEARCH GRANTS

- 2021-2023.** [ELKH] (Key Topics Grant) „Role and regulation of the endoplasmic reticulum stress response during tumorigenesis: identification of novel therapeutic targets”, **participant, 65 000 000 HUF**
- 2020-2023.** [OTKA] (K-135877) “Comparative immunological and genetic analysis of foreign body innate immune reactions involving multinucleated giant hemocytes”, **participant, 36 000 000 HUF**
- 2016-2020.** [OTKA] (K-120142) “Characterization of a novel cell type in innate immunity, the multinucleated giant hemocyte”, **participant, 36 000 000 HUF**
- 2016-2019.** [OTKA] (NN-118207) “Gene expression profile analysis of the hemocyte compartments and the cell-mediated immunity in *Drosophila melanogaster*”, **participant, 33 000 000 HUF**
- 2013-2017.** [OTKA] (NN-109841) “Studying gene products that regulate de- and remyelination.”, **participant, 20 880 000 HUF**
- 2002-2004.** [OMFB] (BIO-00001/2002) “Novel approaches in biological data representation, and the bioinformatics of genome-level gene expression experiments.”, **participant, 49 000 000 HUF**

## NOTABLE INFRASTRUCTURE DEVELOPMENT GRANTS

- 2015-2015.** [Széchenyi 2020] (TAMOP-4.2.6-15/1-2015-0002), “Health Science and Health Industry Knowledge Network in South Great Plain Region underlying the Innovative Environment for Molecular Medicine”, **work package leader, 397 630 000 HUF**
- 2005-2006.** [NKTH] (ALAP4-00030/2005), “KFIIF, Development of the Informatics Infrastructure in the Biological Research Centre of HAS”, **work package leader, 49 100 000 HUF**

## NATIONAL INDUSTRIAL COOPERATION GRANT

**2009-2010.** [NKTH] (DA\_TECH\_07 - NGSSUITE), “NGS-SUITE: bioinformatics data processing service for Next Generation Sequencing.”, **project leader, 21 600 000 HUF**

## NATIONAL EDUCATIONAL DEVELOPMENT GRANT

**2001-2004.** [BIOTECHNOLÓGIA 2001] (BIO-0126/2001), “Bioinformatics graduate education program”, **participant, 75 000 000 HUF**

## AWARDS AND DECORATIONS

## EDUCATIONAL ACTIVITIES

**B.Sc. supervision:** 3 supervisions

**Ph.D. supervision:** 1 supervision

## LANGUAGE EXAMS

**1984.** English, intermediate level

## MISCELLANEOUS ACTIVITIES

**1991-1999** member, Hungarian Society for Immunology

**2006 -** member, Hungarian Society for Bioinformatics



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