

Curriculum Vitae



Abbreviated name of the organization

SZBK (hu) BRC (en)

Personal information

First name(s) / Surname(s)

HILDA LIMA

Telephone(s)

+36 62 599679

E-mail

hilda.tiricz@brc.hu

Nationality

Hungarian

Date of birth

27.12.1973

Gender

Female

Work experience

Dates

2019 – present

Occupation or position held

Research Associate

Research area

Symbiotic nitrogen fixation in *Medicago truncatula*

Name and address of employer

Institute of Plant Biology, Biological Research Centre, Szeged, ELKH

Type of business or sector

Academia

Dates

2013 – 2016

Occupation or position held

Research Associate

Research area

Oligonucleotide-directed mutagenesis (ODM)

Name and address of employer

Institute of Plant Biology, Biological Research Centre of the Hungarian Academy of Sciences, Szeged, Hungary

Type of business or sector

Academia

Study trips/Stipends

Dates

2007 (3 months)

Research area

Study of Tnt1 mutagenesis in *Medicago truncatula*

Sponsor

Institute des Sciences Végétales, Gif-sur-Yvette, France

Type of business or sector

Academia

Education and training

Dates

2014

Title of qualification awarded

PhD

Title of dissertation

Antimicrobial nodule-specific cysteine-rich peptides induce membrane depolarization associated changes in the transcriptome of *Sinorhizobium meliloti*

Name and type of organisation providing education and training	SZTE University, Szeged, Hungary
Dates	2000
Title of qualification awarded	M.Sc.
Principal subjects/occupational skills covered	Biology
Name and type of organisation providing education and training	József Attila University, Szeged, Hungary

Personal skills and competences

Technical skills and competences Expert in broad range of techniques used in molecular biology, especially antimicrobial agents testing, affinity chromatography in pull-down assay, plant transformations, biofilm work and PCR,

Computer skills and competences - good command of Microsoft Office tools (Word, Excel, Access and PowerPoint)
- good knowledge of biological programs, internet tools (DNA and protein sequence analysis) and biological databases

Additional information

Five main publications:

Legume Plant Peptides as Sources of Novel Antimicrobial Molecules Against Human Pathogens.
Lima RM, Rathod BB, **Tiricz H**, Howan DHO, Al Bouni MA, Jenei S, Tímár E, Endre G, Tóth GK, Kondorosi É. *Front Mol Biosci.* 2022 Jun 9;9:870460. doi: 10.3389/fmolb.2022.870460. eCollection 2022. PMID: 35755814

Potent Chimeric Antimicrobial Derivatives of the *Medicago truncatula* NCR247 Symbiotic Peptide.
Jenei S, **Tiricz H**, Szolomájer J, Tímár E, Klement É, Al Bouni MA, Lima RM, Kata D, Harmati M, Buzás K, Földesi I, Tóth GK, Endre G, Kondorosi É. *Front Microbiol.* 2020 Feb 21;11:270. doi: 10.3389/fmicb.2020.00270. eCollection 2020. PMID: 32153547

Plant peptides govern terminal differentiation of bacteria in symbiosis.
Van de Velde W, Zehirov G, Szatmari A, Debreczeny M, Ishihara H, Kevei Z, Farkas A, Mikulass K, Nagy A, **Tiricz H**, Satiat-Jeunemaître B, Alunni B, Bourge M, Kucho K, Abe M, Kereszt A, Maroti G, Uchiumi T, Kondorosi E, Mergaert P. *Science.* 2010 Feb 26;327(5969):1122-6. doi: 10.1126/science.1184057. PMID: 20185722

Antimicrobial nodule-specific cysteine-rich peptides induce membrane depolarization-associated changes in the transcriptome of *Sinorhizobium meliloti*.
Tiricz H, Szucs A, Farkas A, Pap B, Lima RM, Maróti G, Kondorosi É, Kereszt A. *Appl Environ Microbiol.* 2013 Nov;79(21):6737-46. doi: 10.1128/AEM.01791-13. Epub 2013 Aug 30. PMID: 23995935

Relaxed chromatin induced by histone deacetylase inhibitors improves the oligonucleotide-directed gene editing in plant cells.
Tiricz H, Nagy B, Ferenc G, Török K, Nagy I, Dudits D, Ayaydin F.J *Plant Res.* 2018 Jan;131(1):179-189. doi: 10.1007/s10265-017-0975-8. Epub 2017 Aug 23. PMID: 28836127