

# CURRICULUM VITAE

## Kvido Strišovský, PhD

**Updated:** November 4<sup>th</sup> 2019  
**Position:** Senior Group Leader (effective from Jan 1<sup>st</sup> 2020), Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic v.v.i., Prague, Czech Republic (IOCB AS CR)  
**Contact:** ÚOCHB AV ČR, Flemingovo n. 2, Prague, 166 10, Czech Republic  
Landline: +420 220 183 468, Mobile: +420 734 287 095  
E-mail: [kvido.strisovsky@uochb.cas.cz](mailto:kvido.strisovsky@uochb.cas.cz)  
Group page: <https://strisovsky.group.uochb.cz/en>, [www.strisovskylab.org](http://www.strisovskylab.org)  
Personal profile at Cell Press

### Chronology of Employment:

2020 – on Senior (tenured) Group Leader, IOCB AS CR  
2012-2019 Junior Group Leader, IOCB AS CR  
2011 Investigator Scientist, IOCB AS CR  
2005-2011 Postdoctoral Fellow, MRC Laboratory of Molecular Biology, Cambridge, UK  
2004 Junior Scientist, IOCB AS CR  
1997-2003 PhD candidate, Charles University, Prague, Czech Republic

### Education:

2003 PhD in Biochemistry and Molecular Biology, Charles University, Prague  
01/2000 Advanced Certificate in Principles of Protein Structure, Birkbeck College, London, UK  
12/1997 Cambridge Certificate in Advanced English, grade A (best)  
1997 MSc equivalent (Ing.) in Biochemistry, Institute of Chemical Technology, Prague

### Membership in Scientific Societies and Professional Associations:

American Society for Biochemistry and Molecular Biology  
Biophysical Society  
International Proteolysis Society (Secretary)  
Czech and Slovak Society for Biochemistry and Molecular Biology (CSBMB)

### Honors and Scientific Recognition:

#### *Selected Fellowships and Awards*

2012-2017 EMBO Young Investigator Programme member (Installation Grantee)  
2011-2016 Purkyne Fellowship, Academy of Sciences of the Czech Republic  
2009-2012 MRC Career Development Fellowship (resigned 2011)  
2007-2009 EMBO Long-Term Fellowship  
2005-2007 Marie Curie Intraeuropean Fellowship

#### *Selected Invited Talks*

05/2019 iNEXT workshop “Integrated methodologies and approaches for structural biology”, Brno, CZ  
11/2017 EMBO workshop “Proteostasis”, Ericeira, Portugal  
11/2017 10<sup>th</sup> General Meeting of the International Proteolysis Society, Banff, Canada  
10/2017 International Symposium “Understanding Intramembrane Proteolysis - From Substrates to Enzymes”, Regensburg, Germany  
03/2017 3<sup>rd</sup> Proteases in Drug Discovery, Conference, San Diego, USA

# CURRICULUM VITAE

## Scientific Community Activities:

Reviewer for scientific journals Trends in Biochemical Sciences, eLife, The EMBO Journal, PNAS USA, Plant Cell, Molecular Microbiology, Molecular and Biochemical Parasitology, Microbiology and others  
Grant reviewer for the European Research Council (ERC starting and consolidator grants), Swiss National Science Foundation, Fulbright Foundation, Israeli Science Foundation, Grant Agency of Charles University, The Polish National Science Centre, DFG, Cancer Research UK

Conference organisation: 11<sup>th</sup> EMBO Young Scientists' Forum (06/2019), 11<sup>th</sup> General Meeting of the International Proteolysis Society (09/2019)

Thesis advisor to PhD, master and bachelor students at Charles University in Prague

External examiner for PhD theses at University of South Bohemia and Masaryk University Brno

## Bibliography (Web of Science):

ResearcherID: H-6284-2014

ORCID: 0000-0003-3677-0907

Total number of peer-reviewed publications in journals with impact factor: 35

Total Number of Citations (w/wo self cites): 1043/908

H-index: 17

### Ten most significant publications

- [10] Ticha A, Collis B, **Strisovsky K** (2018) The Rhomboid Superfamily: Structural Mechanisms and Chemical Biology Opportunities. *Trends Biochem Sci* 43: 726-739. **IF 16.889** [invited review]
- [9] Oikonomidi I, Burbridge E, Cavadas M, Sullivan G, Collis B, Naegele H, Clancy D, Brezinova J, Hu T, Bileck A, Gerner C, Bolado A, von Kriegsheim A, Martin SJ, Steinberg F, **Strisovsky K**, Adrain C (2018) iTAP, a novel iRhom interactor, controls TNF secretion by policing the stability of iRhom/TACE. *eLife* 7: e35032. **IF 7.551**
- [8] Ticha A, Stanchev S, Vinothkumar KR, Mikles DC, Pachl P, Began J, Skerle J, Svehlova K, Nguyen MTN, Verhelst SHL, Johnson DC, Bachovchin DA, Lepsik M, Majer P, **Strisovsky K** (2017) General and Modular Strategy for Designing Potent, Selective, and Pharmacologically Compliant Inhibitors of Rhomboid Proteases. *Cell Chem Biol* 24: 1523-1536 e4. **IF 6.762** [issue highlight]
- [7] Johnson N, Brezinova J, Stephens E, Burbridge E, Freeman M, Adrain C, **Strisovsky K** (2017) Quantitative proteomics screen identifies a substrate repertoire of rhomboid protease RHBDL2 in human cells and implicates it in epithelial homeostasis. *Sci Rep* 7: 7283.
- [6] Ticha A, Stanchev S, Skerle J, Began J, Ingr M, Svehlova K, Polovinkin L, Ruzicka M, Bednarova L, Hadravova R, Polachova E, Rampirova P, Brezinova J, Kasicka V, Majer P, **Strisovsky K** (2017) Sensitive Versatile Fluorogenic Transmembrane Peptide Substrates for Rhomboid Intramembrane Proteases. *J Biol Chem* 292: 2703-2713.
- [5] Zoll S, Stanchev S, Began J, Skerle J, Lepsik M, Peclinovska L, Majer P, **Strisovsky K** (2014) Substrate binding and specificity of rhomboid intramembrane protease revealed by substrate-peptide complex structures. *EMBO J* 33: 2408-21. **IF 11.227**
- [4] Zettl M, Adrain C, **Strisovsky K**, Lastun V, Freeman M (2011) Rhomboid family pseudoproteases use the ER quality control machinery to regulate intercellular signaling. *Cell* 145: 79-91. **IF 36.216**
- [3] Vinothkumar KR, **Strisovsky K**, Andreeva A, Christova Y, Verhelst S, Freeman M (2010) The structural basis for catalysis and substrate specificity of a rhomboid protease. *EMBO J* 29: 3797-809. **IF 11.227**
- [2] **Strisovsky K**, Sharpe HJ, Freeman M (2009) Sequence-specific intramembrane proteolysis: identification of a recognition motif in rhomboid substrates. *Mol Cell* 36: 1048-59. **IF 14.548** [issue highlight]
- [1] Stevenson LG, **Strisovsky K**, Clemmer KM, Bhatt S, Freeman M, Rather PN (2007) Rhomboid protease AarA mediates quorum-sensing in *Providencia stuartii* by activating TatA of the twin-arginine translocase. *Proc Natl Acad Sci U S A* 104: 1003-8. **IF 9.580**