

# JAKUB BEGAN, Mgr.

## Curriculum Vitae

---

### Contact Information

*Address:* Institute of Organic chemistry and biochemistry AS CR (IOCB AS CR),  
Flemingovo namesti 2, Praha, 16610, Czech Republic  
*Tel:* +420220183591  
*Email:* [began@uochb.cas.cz](mailto:began@uochb.cas.cz)

---

### Education

*2012 - now*                      PhD student:              Charles University in Prague, Microbiology  
and IOCB AS CR (supervisor: Dr. Kvido Stříšovský)

*2009 – 2011*                      Mgr.:                              Charles University in Prague, Biochemistry  
and IOCB AS CR  
Thesis:                              *Mechanism of action of non-peptide inhibitors of  
HIV-1 protease* (supervisor: Dr. Jan Konvalinka)

*2006 – 2009*                      Bc.:                                Charles University in Prague, Biochemistry  
and IOCB AS CR  
Thesis:                                *Kinetic, thermodynamic and structural  
characterisation of mutated HIV-1 proteases  
resistant towards inhibitors* (supervisor: Dr.  
Jan Konvalinka)

*1998 – 2006*                      8-year high school: Piaristické gymnázium J. Braneckého Trenčín, SR

---

### Research experience

*10/2019*                              **presentation** at 11<sup>st</sup> General Meeting of the International Proteolytic  
Society *„Interfaces at Proteolysis“*, Mariánské Lázně, Czech republic,  
**travel award**

*07/2019*                              **poster** at EMBO Young Scientists Forum, Prague, Czech republic, **best  
poster award- shared 1<sup>st</sup> place**

*09/2018*                              **presentation** at FEBS Advanced course *„Proteases, Inhibitors and  
Biological Control“*, Portorož, Slovenia, **travel award**

*05/2017*                              **poster** at XVII. Interdisciplinary Meeting of Young Biologists,  
Biochemists and Chemists, Milovy, Czech republic

---

11/2016	<b>research internship</b> at Centre national de la recherche scientifique (CNRS), Marseille, France
10/2015	<b>poster</b> at EMBL Symposia ‚ <i>New Approaches and Concepts in Microbiology</i> ‘, EMBL Heidelberg, Germany
09/2014	<b>poster</b> at EMBO Workshop ‚ <i>Advances in protein-protein interaction analysis and modulation</i> ‘, Hyeres, France
05/2010	Centennial Retrovirus Conference, Prague, Czech republic

---

### Grants

2014-2016	<b>main applicant</b> , project 170214, Charles University Grant Agency
2013-2015	<b>co-applicant</b> , project 232313, Charles University Grant Agency

---

### Publications

2019	<b>Began, J.</b> , Cordier, B., Březinová, J., Delisle, J., Hexnerová, R., Srb, P., Rampírová, P., Kožíšek, M., Couté, Y., Galinier, A., Veverka, V., Doan, T., Strisovsky, K., <i>Rhomboid intramembrane protease YagP licences bacterial membrane protein quality control as adaptor of FtsH AAA protease</i> . <u>EMBO J</u> , 2019, accepted 12.12.2019
2017	Tichá, A., Stanchev, S., Škerle, J., <b>Began, J.</b> , Ingr, M., Švehlová, K., Polovinkin, L., Růžička, M., Bednárová, L., Hadravová, R., Poláchová, E., Rampírová, P., Březinová, J., Kašička, V., Majer, P., and Strisovsky, K., <i>Sensitive Versatile Fluorogenic Transmembrane Peptide Substrates for Rhomboid Intramembrane Proteases</i> , <u>J Biol Chem</u> , 2017. 292(7): 2703-2713.
2017	Tichá, A., Stanchev, S., Vinothkumar, K. R., Mikles, D. C., Pachel, P., <b>Began, J.</b> , Škerle, J., Švehlová, K., Nguyen, M. T. N., Verhelst, S. H. L., Johnson, D. C., Bachovchin, D. A., Lepšík, M., Majer, P., and Strisovsky, K., <i>General and Modular Strategy for Designing Potent, Selective, and Pharmacologically Compliant Inhibitors of Rhomboid Proteases</i> , <u>Cell Chem Biol</u> , 2017. 24(12): 1523-1536.e4.
2014	Zoll, S., Stanchev, S., <b>Began, J.</b> , Škerle, J., Lepsik, M., Peclinovska, L., Majer, P. and Strisovsky, K., <i>Substrate binding and specificity of rhomboid intramembrane protease revealed by substrate-peptide complex structures</i> . <u>EMBO J</u> , 2014. 33(20): 2408-21.

---

## References

**Kvido Strisovsky, PhD**

Principal Investigator

IOCB Prague

Flemingovo n. 2

166 10, Prague

Czech Republic

+420 220 183 468 (office)

+420 734 287 095 (mobile)

[www.strisovskylab.org](http://www.strisovskylab.org)

[kvido.strisovsky@uochb.cas.cz](mailto:kvido.strisovsky@uochb.cas.cz)