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## Curriculum Vitae

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**Mgr. JAN PŘIBYL, PhD.**

**Date and place of birth:** January 23, 1979, Pelhřimov, Czech Republic

**Education:**

2002-2005: PhD. in biochemistry, Department of Biochemistry, Masaryk University, Brno

1997-2002: master study of biochemistry, Department of Biochemistry, Masaryk University, Brno.

**Stages abroad:**

2001: Department of Chemistry, State University of New York, Potsdam, NY, USA.

2003: Department of Analytical Biochemistry, Potsdam University, Golm, Germany.

2006: Department of Biophysical and Electronic Engineering, University of Genova, Italy

2007: FOI, Royal Swedish Institute of Defence, Umea, Sweden

2013: Department of Biophysical and Electronic Engineering, University of Genova, Italy

**Professional career:**

2006-2012: Research assistant - Nat. Center for Biomolecular Research, Masaryk University, Brno.

2012-now: Senior scientist – Core Facility of Nanobiotechnology, Central Eur. Institute of Technology, Masaryk University, Brno.

**Current research interest:**

Nanobiotechnology (bioAFM microscopy, AFM spectroscopy), Selected immunological methods (synthesis of immunoconjugates, immunization, ELISA, affinity purification), immunosensors, affinity biosensors.

**Experience with the evaluation of projects:** TACR agency, since 2010

**Publications (WoS summary):**

Impacted publications: 22

Sum of the Times Cited: 307

h-index: 9

**Selected publications**

Giorgia Nardone, Jorge De La Cruz, Jan Vrbsky, Cecilia Martini, Jan Pribyl, Petr Skladal, Martin Pesl, Guido Caluori, Stefania Pagliari, Fabiana Martino, Zuzana Maceckova, Marian Hajduch, Andres Sanz-Garcia, Nicola Pugno, Gorazd Stokin, and Giancarlo Forte. 2017. „YAP regulates cell mechanics by controlling focal adhesion assembly.“. *Nature Communications*, 8: 15321.

Pesl, Martin, Jan Pribyl, Ivana Acimovic, Aleksandra Vilotic, Sarka Jelinkova, Anton Salykin, Alain Lacampagne, et al. 2016. “Atomic Force Microscopy Combined with Human Pluripotent Stem Cell Derived Cardiomyocytes for Biomechanical Sensing.” *Biosensors and Bioelectronics* 85 (November): 751–57.

Cabalkova, Jana, Jan Pribyl, Peter Skladal, Pavel Kulich, and Josef Chmelik. 2008. “Size, Shape and Surface Morphology of Starch Granules from Norway Spruce Needles Revealed by

- Transmission Electron Microscopy and Atomic Force Microscopy: Effects of Elevated CO<sub>2</sub> Concentration.” *Tree Physiology* 28 (10): 1593–99.
- Crha, I., J. Pribyl, P. Skladal, J. Zakova, P. Ventruba, and M. Pohanka. 2010. “Determination of the Surface Pathology of Human Sperm by Atomic Force Microscopy.” *Human Reproduction* 25 (June): I122–I122.
- Skladal, P., E. Svabenska, J. Zeravik, J. Pribyl, P. Siskova, T. Tjarnhage, and I. Gustafson. 2012. “Electrochemical Immunosensor Coupled to Cyclone Air Sampler for Detection of Escherichia Coli DH5 Alpha in Bioaerosols.” *Electroanalysis* 24 (3): 539–46. doi:10.1002/elan.201100448.
- Pesl, Martin, Ivana Acimovic, Jan Pribyl, Renata Hezova, Aleksandra Vilotic, Jeremy Fauconnier, Jan Vrbsky, et al. 2014. “Forced Aggregation and Defined Factors Allow Highly Uniform-Sized Embryoid Bodies and Functional Cardiomyocytes from Human Embryonic and Induced Pluripotent Stem Cells.” *Heart and Vessels* 29 (6): 834–46. doi:10.1007/s00380-013-0436-9.
- Pesl, Martin, Acimovic Ivana, Jan Pribyl, Renata Hezova, Aleksandra Vilotic, Franck Aimond, Jeremy Fauconnier, et al. 2014. “Molecular and Functional Characterization of Uniform-Sized Beating Embryoid Bodies and Cardiomyocytes from Human Embryonic and Induced Pluripotent Stem Cells.” *Biophysical Journal* 106 (2): 565A – 565A.