Krzysztof Banas | CV

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The mediocre teacher tells. The good teacher explains. The superior teacher demonstrates. The great teacher inspires.
-William Arthur Ward

Education

Jagiellonian University	**Cracow, Poland**
Msc	*1991–1996*
Jagiellonian University	**Cracow, Poland**
PhD	*1997–2002*

PhD thesis

title: *Measurements on biopolymers using NMR methods*

supervisor: Prof. Barbara Blicharska

Experience

Vocational

Singapore Synchrotron Light Source National University of Singapore	
Research Scientist	*2008–present*
Singapore Synchrotron Light Source National University of Singapore	
Co-investigator	*2007–2008*
Project Fast and accurate characterization of explosives by means of synchrotron radiation	
Institute of Nuclear Physics Polish Academy of Sciences	**Cracow, Poland**
Research Scientist	*2004–2006*
Faculty of Physics and Earth Science, University Leipzig	**Leipzig, Germany**
Post-doctoral Fellowship	*2002–2004*

Teaching

SSLS Open House	**Singapore**
Main Coordinator	*2012–2012*
Intern student Boon Heng Teo of Imperial College	**London**
Supervisor	*2011–2011*
Introduction of synchrotron radiation and SSLS to Visitors and Users	**Singapore**
Beam-line Scientist	*2008–present*
MSc Thesis preparation of students (Grzegorz Wozniak, Barbara Korzeniowska) AGH University of Scien	
Supervisor	
Taking part in activities during Institute of Nuclear Physics Open House	**Cracow, Poland**
Scientist	*2005–2006*

High School   **Gdow, Poland**
Physics Teacher   *2001–2002*

Preparation and Conducting Preparation Courses for Entry Exams in Physics for Medicine StudentCraco
Course Lecturer

Taking part in activities during Institute of Physics Jagiellonian University Open House Open HouseCrac
Scientist

Teaching at Institute of Physics Jagiellonian University Krakow Poland (Laboratory Classes, Lecture Der
Academic Teacher

private teaching of physics and mathematics   **Cracow, Poland**
Private Tutor   *1991–2006*

Research background...

- Nuclear magnetic resonance relaxometry and spectroscopy
- Magnetic resonance imaging
- X-ray based imaging and tomography
- Fourier transform infrared spectroscopy and microscopy(FTIR)
- X-ray fluorescence spectroscopy (XRF)
- X-ray absorption spectroscopy (XAS)
- Statistical multivariate methods for spectral data evaluation, clustering and identification

Languages

Polish: Native
English: Fluent
German: Basic
Russian: Basic

Computer skills

OS: DOS, Window, OS X, Linux
Word Processing: LaTeX, MS Word, Pages
Statistics: R Platform, Origin
Data Processing: ImageJ, Opus, PyMCA

Interests

- Photography
- Logic puzzles
- Running
- Cooking