

## CURRICULUM VITAE



### RNDr. Viktor Gajdoš, PhD.

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**Date of birth:** July 12, 1976  
**Nationality:** Slovak  
**Marital status:** single

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### Education:

#### PhD. in Biophysics

2010 Faculty of Mathematics Physics and Informatics, Comenius University in Bratislava (FMFI UK), Slovakia

*PhD. thesis:* **Study of DNA hybridization and damage on solid surface using acoustic methods.** (QCM, TSM resonator)

Supervisor: Professor T.Hianik (FMFI UK)

Summary:

We constructed piezoelectric biosensors based on QCM and TSM resonators for to study DNA immobilization and hybridization on solid surface. Oligonucleotides probes (ssDNA) with length of 11-33n. were attached to gold surface using avidin-biotin chemistry. Target sequence hybridization and detection was tested. Influence of the target chain length and target sequence position in ssDNA chain was compared. DNA damage – thymine glycol, abasic sites, base mismatch on DNA hybridization and DNA layer viscoelastic properties was studied.

1995 - 2000 study of Physics, specialization on Biophysics on FMFI UK  
*Diploma thesis:* Study of DNA hybridization on solid surface using amperometric methods.

1991-1994 Gymnasium Einsteinova, Bratislava, Slovakia

#### International collaboration and experience during doctoral study

visits in analytical chemistry and biosensors research laboratories:

- Polish Academy of Sciences, Warsaw, Poland, prof. W. Kutner, 2 months
- New Mexico State University, Las Cruces, USA, prof. J. Wang, 2 months
- University of Toronto, Toronto, Canada, prof. M. Thompson, 2 months
- Hacettepe University, Ankara, Turkey, course: "Building of QCM biosensors", 1 week

**Publications:** see list of publications at [http:// www.vg-science.aristo.sk/vgpublist.pdf](http://www.vg-science.aristo.sk/vgpublist.pdf)

#### Additional education and courses

(course name or subject, organizer, year)

- Tourist guide, Economic University in Bratislava, 1997
  - Tourist guide for Bratislava, Bratislava Culture and Information Centre, 1998
  - Pharmaceutical Sales Representative, Slovakofarma a.s., 2002
  - Diagnostic imaging, level: I, II, Siemens AG, Germany, 2009
  - How to deal with customers, presentRAINment GmbH, Germany, 2009
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### Work experience:

2010 (finished) – Slovak university of technology in Bratislava  
**technology transfer officer**  
building of new technology transfer office at university

2008-2009 – Siemens /Slovakia/  
**salesman for Siemens medical diagnostics systems**  
sales, marketing, presentations of ultrasound diagnostic systems in Slovakia

2001, 2003 – 2008 – Faculty of Mathematics Physics and Informatics, Comenius University in Bratislava

**PhD. student, scientist, teacher**

research in biosensors, assistant to professor, teaching

2004 – present – own business (sole trader)

**education agency – manager**, lector, education courses for high school and university students

**art agency – manager**, event management, art programs and shows production

2001 – 2002 – Slovakofarma a.s.

**pharmaceutical sales representative**

responsibility for cardiovascular drugs sales in area of Bratislava, Slovakia

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**Skills:**

**Languages:**

- Slovak – mother tongue
- English – active
- Czech – active
- Russian – intermediate
- German – basics
- Italian – basics

**Computer skills:**

- MS Windows, Linux – installation and advanced user
- MS Office – advanced user: Word, Excel, Powerpoint, Acces
- web pages – HTML, PHP, JavaScript
- graphics – Adobe Photoshop, video – MS Movie maker

**Driving licence:**

A, B; daily practice

**Interests and hobbies:**

historical fencing, amateur acting in theatre, opera  
mountain biking, hiking, skiing

Viktor Gajdoš

date: october 2010