CURRICULUM VITAE

WOJTEK TUTAK

Home Address: 714 Bevier Rd. Piscataway, NJ
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Education:

Rutgers, The State University of New Jersey, NJ
M.S/ PhD. Materials Science and Engineering
Currently enrolled

New Jersey Institute of Technology, Newark, NJ
B.S. Biomedical Engineering; Tissue Engineering
Graduated: May 2005

Awards & Honors:

- Masters Fellowship/Teacher Assistantship
- Cum Laude, May 2005
- The Ronald E. McNair Postbaccalaureate Achievement Program, May 2004
- The Dean's List
- EOP Awards

Research Experiences:

Graduate student, Rutgers, 08/06- current
Single Walled Carbon Nanotubes Thin Films for Biomedical Applications

Senior Undergraduate Research Project, NJIT, 05/05.
Optimization of Trans-Dermal Drug Delivery System.

The Ronald E. McNair Program, NJIT, 08/04.
Analysis of Physical and Bio-Chemical Properties of Biomaterials.

Research assistant, NJIT 06/04-05/05.
Refining and analysis of data

Professional Experiences:

- Research assistant at Stryker Orthopeadics, NJ, 01/06- 07/06
  Tribology of bearing systems: testing and data analysis
  Responsible for everyday lab operations and equipment maintenance
  Re-designing/ modifications of existing hip/knee simulators and testing techniques

- Research assistant at Colgate-Palmolive, Piscataway, NJ, 05/05- 12/05
  Preparation and processing of dental materials
  Sample analysis, running and coordinating hardness and demineralization / remineralization study

Membership & Certifications:

- Material Research Society
- American Ceramic Society
- American Society for Microbiology
- Fully certified to operate the FESEM

Community & Volunteer Work:

- Participation in outreach activities such as "Nano-days" where students from local schools learn about Nano-technology through hands on demonstrations.

- Participation in "Open House" events

Publications, Presentations:

"Effect of SWNTs Substrate on Osteoblastic Like Cell Line : Cell Growth and Development"
MRS meeting, Boston 11/27/07

"Primary Osteoblastic Cell Response to Carbon Nanotube Matrix"
Manuscript 07/12/07

"Growth of Osteoblast Cells on Nanostructure Scaffolds"
Nanomaterials and Devises Symposium, Rutgers University 9/15/06

"Synthesis of Nanostructured Materials"
Manuscript 10/15/06

"Demineralization and Remineralization of Human Tooth Enamel, Tooth Paste Evaluation"
Colgate Palmolive, 12/5/05

"Optimization of Trans-Dermal Drug Delivery System"
Undergraduate Senior Project Symposium, New Jersey Institute of Technology, 4/18/05

"Analysis of Physical and Bio-Chemical Properties of Biomaterials".
McNair Symposium, University of Maryland University Collage School, 08/12/04

Leadership Experiences:

Treasurer and member of Graduate Senate
07/24/07- present

Student coordinator for outreach activities relating to Nanotechnology
08/18/06- present.

Teamwork Experiences:

Multidisciplinary research conducted across medical and engineering fields
Cross communication between researchers in UMDNJ and Rutgers departments

Mentor to undergraduate and high school students.

During my corporate experience in Stryker Orthopeadics, I worked with my colleagues to meet weekly project and report deadlines. Data analyses prepared by our group were incorporated into internal scientific reports

As a research assistant at Colgate Palmolive I collaborated with external vendors, internal quality control teams and the director of R&D division on production of a TV commercial