

SERCAN KESKİN

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Yeditepe University

PERSONAL:

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Date of Birth: 08.04.1987

EDUCATION:

2010 – Present **M.Sc** Biotechnology, Department of Genetics and Bioengineering, Yeditepe University,
Istanbul, Turkey (CGPA: 3.73/4)

2005 – 2010 **B.Sc** Molecular Biology and Genetics, Istanbul University,
Istanbul, Turkey (CGPA: 2.95/4)

SCIENTIFIC BACKGROUND:

2010 Present **TUBITAK (The Scientific and Technological Research Council of Turkey) Funded Project**
“Label-Free Multiplex Protein Identification and Detection Based on Surface-Enhanced
Raman Scattering and Protein Melting Profile”

2008 – 2009 **Erasmus Student, Roskilde University (Denmark)**, Department of Science, Systems and
Models, project “Antifreeze Proteins – The applications of antifreeze proteins in the
food industries”

2008 Summer Internship, Istanbul University, Institute of Experimental Medicine Research,
Department of Genetics

2007 Summer Internship, Istanbul University, Cerrahpasa Medicine School, Department of
Clinical Microbiology

2006 Summer Internship, Memorial Hospital, Department of Genetics

PUBLICATIONS:

S. Keskin, M. Kahraman and M.Çulha "Differential separation of protein mixtures using convective assembly and label-free detection with surface enhanced Raman scattering" **Chem. Commun.**, **2011 (impact factor: 5.5)**

M.Çulha, M. Altunbek, **S. Keskin**, D.Saatci "Manipulation of silver nanoparticles in a droplet for label-free detection of biological molecules using surface-enhanced Raman scattering" **Proc. SPIE** Vol. 7911, DOI: 10.1117/12.871219, **2011**.

ORAL PRESENTATIONS:

2011 7th Nanoscience and Nanotechnology Conference, Sabanci University, Istanbul, Turkey,
“Winning Against Contact-line Pinning”, Mustafa Culha, **Sercan Keskin**, Kemal Keseroglu, Ali
Yasin Sonay, Saban Kalay

POSTER PRESENTATIONS:

2011 7th Nanoscience and Nanotechnology Conference, “Manipulation of Silver nanoparticles and
Proteins in a Droplet under Tension for SERS”, **Sercan Keskin**, Mine Altunbek, Mustafa Culha

ATTENDED CONFERENCES and WORKSHOPS:

2011 7th Nanoscience and Nanotechnology Conference, Sabanci University, Istanbul, Turkey

2011 Workshop on Vibrational Spectroscopy in Nanotechnology. Yeditepe University, Istanbul,
Turkey

2009 National Molecular Biology and Genetics Student Congress, Istanbul Technical University,
Istanbul, Turkey

TECHNICAL SKILLS:

- Nanoparticle Synthesis and Modification
- Raman Spectroscopy
- Atomic Force Microscopy
- Zeta Sizer, UV-Vis Spectroscopy
- Convective Assembly
- PCR, Real Time PCR
- Modern Cloning
- ELISA
- Gel Electrophoresis, Gel Extraction
- Western Blotting
- Tissue and Cell Culture Techniques
- Chromosome Analysis
- Sequence Analysis
- FISH
- Plasmid and Genomic DNA Isolation
- Basic Microbial Techniques

COMPUTER SKILLS:

Microsoft Office Programs (Word, Excel, PowerPoint),
Swiss-Pdb viewer (structural analysis of proteins),
SPSS (statistical analysis)

TEACHING EXPERIENCES:

Teaching Assistant, Biochemistry Laboratory, Fall 2011
Teaching Assistant, Biochemistry Laboratory, Spring 2011
Teaching Assistant, Biochemistry Laboratory, Fall 2010
Teaching Assistant, General Biology Laboratory, Spring 2010

AWARDS and HONORS:

2010 - present Yeditepe University Master of Science in Biotechnology Program, Scholarship
2010 - present TUBITAK Scholarship with the project "Label-Free Multiplex Protein Based on Surface-Enhanced Raman Scattering and Protein Melting Profile"
2008 - 2009 Erasmus Scholarship giving by European Commission

LANGUAGES:

Turkish : Mother Tongue
English : Advanced Level (TOEFL IBT Score: 91/120), Danish : Beginner Level