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AREAS OF SPECIALTY: Cell Biology and Proteomics

ACADEMIC EXPERIENCE:

- 2020- :** Associate Professor
School of Medicine, Koç University, Istanbul
- 2017- :** Associate Professor
College of Science, Molecular Biology and Genetics
Koç University, Istanbul
- 2010-2017:** Assistant Professor
College of Science, Molecular Biology and Genetics
Koç University, Istanbul.
- 2006-2010:** Postdoctoral Research
Harvard Medical School, Boston
- 2001 - 2005:** PhD. in Cell Biology
Dresden University of Technology
Max Planck Institute of Molecular Cell Biology and Genetics,
Dresden.
Thesis: Formation of the mitotic spindle in *C. elegans* embryos.
Thesis Advisor: Prof. Anthony A. Hyman
- 1997-2001:** B.S., Molecular Biology and Genetics, Bilkent University, Ankara.

RESEARCH EXPERIENCE:

- 2019 July-Sep:** Visiting Research Scientist
Karolinska Institute, Stockholm, SE
- 2017 July-Sep:** Visiting Research Scientist
Michigan University, Ann Arbor, MI
- 2006 June-2010 Sep:** Postdoctoral Research in Dr. Judith Steen Lab.
Proteomics Center Children's Hospital Boston,
Harvard Medical School, Boston, MA
- 2006 Feb-2010 Sep:** Postdoctoral Research in Prof. Timothy J. Mitchison Lab.
Department of Systems Biology
Harvard Medical School, Boston, MA
- 2001-2005:** PhD student in Prof. Anthony A. Hyman Lab.
Max Planck Institute of Molecular Cell Biology and Genetics,
Dresden, Germany.

SELECTED PUBLICATIONS (Out of 30)

(@ represents the contact authors)

1. B Golchoubian, A Brunner, H Bragulat-Teixidor, B Akarlar, **N Özlü**, AL Schlaitz@. The membrane-shaping ER protein REEP4 cooperates with the nucleoporin ELYS to promote nuclear pore complex biogenesis. **Journal of Cell Biology** (accepted)
2. Kamacioglu A, Tuncbag N@, **Ozlu N@**. Structural analysis of mammalian protein phosphorylation at a proteome level. **Structure**. 2021 Jun 22:S0969-2126(21)00212-4.
3. Senturk A, Sahin AT, Armutlu A, Kiremit MC, Acar O, Erdem S, Bagbudar S, Esen T, Tuncbag N, **Ozlu N@**. Quantitative proteomics identifies secreted diagnostic biomarkers as well as tumor-dependent prognostic targets for clear cell Renal Cell Carcinoma. **Mol Cancer Res**. 2021 May 11:molcanres.MCR-21-0004-E.2021.
4. Akkaya C, Atak D, Kamacioglu A, Akarlar BA, Guner G, Bayam E, Taskin AC, **Ozlu N**, and Gulayse Ince-Dunn@. Roles of developmentally regulated KIF2A alternative isoforms in cortical neuron migration and differentiation. **Development** 2021 Feb 22;148(4):dev192674.
5. Akdag M, Yunt ZS, Kamacioglu A, Qureshi MH, Akarlar BA, **Ozlu N@**. Proximal Biotinylation-Based Combinatory Approach for Isolating Integral Plasma Membrane Proteins. **J Proteome Res**. 2020 Aug 7;19(8):3583-3592.
6. Uretmen Kagiali ZC, Saner N, Akdag M, Sanal E, Degirmenci BS, Mollaoglu G, **Ozlu N@**. CLIC4 and CLIC1 bridge plasma membrane and cortical actin network for a successful cytokinesis. **Life Sci Alliance**. 2019 Dec 26;3(2).
7. Uretmen Kagiali ZC, Sanal E, Karayel Ö, Polat AN, Saatci Ö, Ersan PG, Trappe K, Renard BY, Önder TT, Tuncbag N, Şahin Ö, **Ozlu N@**. Systems-level analysis reveals multiple modulators of epithelial-mesenchymal transition and identifies DNAJB4 and CD81 as novel metastasis inducers in breast cancer. **Mol Cell Proteomics**. 2019 Jun 20.
8. Karayel Ö, Şanal E, Giese SH, Üretmen Kagialı ZC, Polat AN, Hu CK, Renard BY, Tuncbag N, **Özlü N@**. Comparative phosphoproteomic analysis reveals signaling networks regulating monopolar and bipolar cytokinesis. **Sci Rep**. 2018 Feb 2;8(1):2269.

PATENT

“Bölünen Kanser Hücresi Tespitinde Fosfo-Keratin 8’in Biyobelirteç Olarak Kullanımı”
entitled patent application (2021/009156) to the Türk Patent Institute (pending).

AWARDS and HONORS:

- 2019- : TUBITAK Encouragement Award
- 2018- : Horizon 2020 E-Rare Joint Transnational Project
- 2018- Koc University Honoring Teaching Performance
- 2018- : TUBITAK Research Grant (118Z832)
- 2017- : Newton Advanced Fellowship 2017, The Royal Society
- 2017- : TUBITAK Research Grant (116Z305)
- 2017-2019: Young Scientist Award Program (BAGEP) of the Science Academy Turkey
- 2014- 2017: TUBITAK Research Grant (114Z267)
- 2013- 2016: Turkish Academy of Science (TÜBA) Young Scientist (GEBIP) Award
- 2012- 2014: L'ORÉAL Research Award for Young Women in Life Sciences
- 2012- 2015: Marie Curie Career Integration Grant (FP7)
- 2012- 2017 : EMBO Installation Grant
- 2011-2014: TUBITAK Research Grant (111T467)
- 2006-2008: EMBO Long term Postdoctoral Fellowship

2001-2005: Pre-doctoral Fellowship awarded by Max Planck Institute of Molecular Cell Biology and Genetics.

PROFESSIONAL MEMBERSHIPS

The American Society for Cell Biology (ASCB)
The American Society for Mass Spectrometry (ASMS)
European Molecular Biology Organization FellowsNet

OTHER PROFESSIONAL EXPERIENCE

Referee

FEBS Letter
Biochemistry
Journal of Proteome Research
Proteome Science
Journal of Translational Medicine
Journal of Proteomics
Science Matters
Molecular Biology of Cell
Nature Communication
The Scientific and Technological Research Council of Turkey (TUBITAK) Research Projects
European Union (EU) Research Projects

University Service

Member of Science Faculty Council 2018-
Member of KUTTAM (Koc University Translational Research Center) Executive Board 2017-
MBGE Student Academic Advisor 2011-
MBGE Graduate Program Coordinator 2015-2019
Member of Science Faculty Council 2011-2014
Koc University Ethic Committee 2012-2014
Koc University Science Seminar Series Organization 2012-2013
MBGE Department Representative 2010-2011

Program Committee

-EuPA (European Proteomic Association) Education Committee Member
(2021)(<https://eupa.org/about/executive-committees/education/>)
-Scientific Advisory Board Member of EPIC-XS (2020-)(<https://epic-xs.eu/a-homepage-section-2/>)
-President of 3rd Turkish Proteomics Association Meeting 2020
-Vice President of Turkish Proteomics Association 2017-
-Eupa European Proteomics Association Meeting, Organizing Committee member 2015
-T.R. Presidential Science, Technology and Innovation Policy Board (BTYPK) Basic Sciences
Commission Member 2021