

ERDEM ŞANAL

esanal@uu.nl | erdemsanal@gmail.com

EDUCATION

| | | |
|----------------|-------|--|
| 2019 – Present | Ph.D. | Theoretical Biology and Bioinformatics, Utrecht University <i>T cell dynamics</i> |
| 2014 – 2017 | M.Sc. | Molecular Biology and Genetics, Koc University <i>Quantitative analysis of protein phosphorylation during cytokinesis</i> |
| 2012 – 2013 | | Exchange student at the Department of Molecular, Cell, and Developmental Biology, UC Santa Cruz |
| 2009 – 2014 | B.Sc. | Molecular Biology and Genetics, Bilkent University |

SKILLS

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| Languages | Turkish, English |
| Programming | Python, R, MATLAB, SQL (Basic), Java (Basic), C (Basic), |
| Applications | Maxquant, Proteome Discoverer, Perseus, HPC, Cytoscape, NAMD (Basic), VMD (Basic) |

AWARDS AND HONORS

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|------|---|
| 2014 | M.Sc. Scholarship - TUBITAK |
| 2014 | M.Sc. Full Scholarship - Koc University |
| 2009 | B.Sc. Scholarship - TUBITAK |
| 2009 | B.Sc. Full Scholarship - Bilkent University |

PUBLICATIONS

Systems-level analysis reveals multiple modulators of epithelial-mesenchymal transition and identifies DNAJB4 and CD81 as novel metastasis inducers in breast cancer.

Zeynep Cansu Üretmen Kagiali*, **Erdem Şanal***, Özge Karayel, Ayşe Nur Polat, Özge Saatci, Pelin Gülizar Ersan, Kathrin Trappe, Bernhard Y. Renard, Tamer T. Önder, Nurcan Tuncbag, Özgür Şahin and Nurhan Özlü

Molecular & Cellular Proteomics, 2019, DOI: [10.1074/mcp.RA119.001446](https://doi.org/10.1074/mcp.RA119.001446)

Labeling Carboxyl Groups of Surface Exposed Proteins Provides an Orthogonal Approach for Cell Surface Isolation

Nazlı Özkan Küçük, **Erdem Şanal**, Edwin Tan, Timothy Mitchison, Nurhan Özlü

Journal of Proteome Research, 2018, DOI: [10.1021/acs.jproteome.7b00825](https://doi.org/10.1021/acs.jproteome.7b00825)

Comparative phosphoproteomic analysis reveals signaling networks regulating monopolar and bipolar cytokinesis

Özge Karayel, **Erdem Şanal**, Sven Giese, Zeynep Cansu Üretmen Kagalı, Aysenur Polat, Chi-Kuo Hu, Bernhard Y. Renard, Nurcan Tunçbağ, Nurhan Özlü

Scientific Reports, 2018, DOI: [10.1038/s41598-018-20231-5](https://doi.org/10.1038/s41598-018-20231-5)

Phosphoproteomic Analysis of Aurora Kinase Inhibition in Monopolar Cytokinesis

Ayşe Nur Polat, Özge Karayel, Sven H. Giese, Bişra Harmanda, **Erdem Şanal**, Chi-Kuo Hu, Bernhard Y. Renard, and Nurhan Özlü

Journal of Proteome Research, 2015, DOI: [10.1021/acs.jproteome.5b00645](https://doi.org/10.1021/acs.jproteome.5b00645)