



Faculty Curriculum Vitae

Faculty Name: Dr. Serkan Goktuna
 Division: Science Department
 Department Chair : Allystair Jones

Postsecondary Education

Date of Award	Credential Name	Institution Name and Location
2010	PhD	Technical University of Munich
2005	MSc	Sabanci University
2003	BSc	Middle East Technical University

Teaching Experience

Courses Taught	Dates
Biology II (for MBG majors)	2015-2025
General Biology (For Science Majors)	2015-2018
General Biology (for Non-Science Majors)	2015-2025
Molecular Bases of Cancer	2018-2025
Science and Ethics	2019-2025
Genetics and Biology of Cancer	2019-2025
Special Topics in Molecular Biology (Seminar)	2015-2025
Special Topics in Genetics (Seminar)	2015-2025
Animal Models of Human Diseases (Certificate course)	2018-2025
Animal Models of Human Cancers (Certificate Course)	2018-2025
Biology for Science Majors	2026-
Biology for Non-Science Majors I	2026-
Biology for Non-Science Majors II	2026
Microbiology for Science Majors	2026-

Updated: September 25, 2026

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Significant Professional Publications and Accomplishments

List accomplishments

(Include relevant industry experience, Professional Publications, Presentations, Awards, Performances, etc.)

Chau TL, Borucu Ü, Uygur B, Özkurt AG, Kılıç E, Işık A, Gemalmayan AD, Cekic C, Akyol A, Demirkol Canlı S, Göktuna Sİ. Purinergic ecto-enzyme CD73 is a context-dependent tumor suppressor in colorectal can-cer. Journal of Biological Chemistry. 2025;301(12):110864. doi: 10.1016/j.jbc.2025.110864

Göktuna SI, Diamanti MA, Chau TL. IKKs and tumor cell plasticity. FEBS Journal. 2018; 285 (12): 2161-81. doi: 10.1111/febs.14444 (featured in the cover)

Göktuna SI, Shostak K, Chau TL, Heukamp L, Hennuy B, Duong HQ, Ladang A, Close P, Klevernic I, Oliv-ier F, Florin A, Ehx G, Baron F, Vandereyken M, Rahmouni S, Vereecke L, van Loo G, Büttner R, Greten FR, Chariot A. The pro-survival IKK-related kinase IKKε integrates LPS and IL-17A signaling cascades to promote Wnt-dependent tumor development in the intestine. Cancer Research. 2016; 76 (9): 2587-99. doi: 10.1158/0008-5472.CAN-15-1473. (presented as poster in the spotlight at EACR24)

Göktuna SI, Canlı Ö, Bollrath J, Fingerle AA, Horst D, Diamanti M, Pallangyo C, Bennecke M, Nebelsiek T, Mankan AK, Lang R, Artis D, Hu Y, Patzelt T, Ruland J, Kirchner T, Taketo MM, Chariot A, Arkan MC, Greten FR. IKKα promotes intestinal tumorigenesis by limiting recruitment of M1-like polarized myeloid cells. Cell Reports. 2014; 7(6):1914-25. doi: 10.1016/j.celrep.2014.05.006

Schwitalla S, Fingerle AA, Cammareri P, Nebelsiek T, Göktuna SI, Ziegler PK, Canlı O, Heijmans J, Huels DJ, Moreaux G, Rupec RA, Gerhard M, Schmid RM, Barker N, Clevers H, Lang R, Neumann J, Kirchner T, Taketo MM, van den Brink GR, Sansom OJ, Arkan MC, Greten FR. Intestinal Tumorigenesis Initiated by Dedifferentiation and Acquisition of Stem-Cell-like Properties. Cell. 2013; 152 (1-2): 25-38.

Greten FR, Arkan MC, Bollrath J, Hsu LC, Goode J, Miething C, Göktuna SI, Neuenhahn M, Fierer J, Paxian S, Van Rooijen N, Xu Y, O'Cain T, Jaffee BB, Busch DH, Duyster J, Schmid RM, Eckmann L, Karin M. NF-kappaB is a negative regulator of IL-1beta secretion as revealed by genetic and pharmacological inhibition of IKKbeta. Cell. 2007; 130(5):918-31.

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