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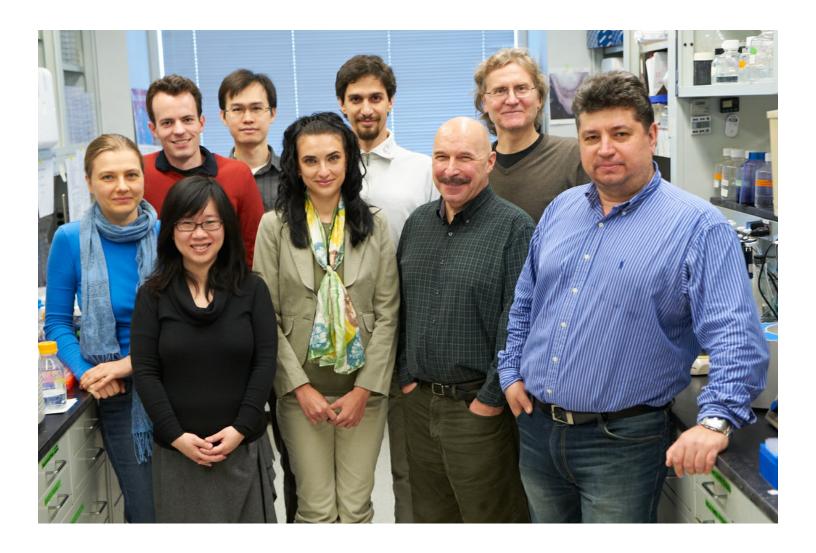
Dimitar B. Nikolov, PhD

Research in our laboratory aims to characterize the molecular mechanisms underlying cell-to-cell interactions and signal transduction across the cell membrane. We are particularly interested in understanding how receptors located on the surface of developing axons and neurons interact with extracellular ligands to guide the development of the nervous system and the wiring of the brain.

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Publications Highlights

Xu K, Wu Z, Renier N, Antipenko A, Tzvetkova-Robev D, Xu Y, Minchenko M, Nardi-Dei V, Rajashankar KR, Himanen J, Tessier-Lavigne M, Nikolov DB., Structures of netrin-1 bound to two receptors provide insight into its axon guidance mechanism., Science. (2014), May 29, pii: 1255149. [Epub ahead of print]

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Yu X, Seegar TC, Dalton AC, Tzvetkova-Robev D, Goldgur Y, Rajashankar KR, Nikolov DB, Barton WA, Structural basis for angiopoietin-1-mediated signaling initiation. *Proc Natl Acad Sci U S A.*; 110(18):7205-10, (2013).

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People

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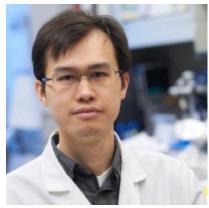
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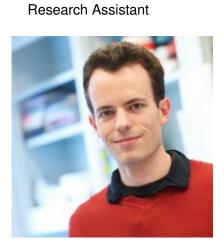




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Disclosures

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