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Emerging approaches to study cell-cell interactions

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List of publications

1. *A flow cytometry assay to quantify intercellular exchange of membrane components.*

Poulcharidis D, Belfor K, Kros A, van Kasteren SI.

Chem Sci. **2017** Aug 1;8(8):5585-5590, DOI: 10.1039/c7sc00260b. Epub 2017 May 24.

2. *Quantification of Bioorthogonal Stability in Immune Phagocytes Using Flow Cytometry Reveals Rapid Degradation of Strained Alkynes.*

Bakkum T, van Leeuwen T, Sarris AJC, van Elsland DM, **Poulcharidis D**, Overkleeft HS, van Kasteren SI. *ACS Chem Biol.* **2018** May

18;13(5):1173-1179. DOI: 10.1021/acscchembio.8b00355. Epub 2018 Apr 30.

3. *Spatiotemporal Control of Doxorubicin Delivery from "Stealth-Like" Prodrug Micelles.*

Kong L, **Poulcharidis D**, Schneider GF, Campbell F, Kros A. *Int J Mol Sci.*

2017 Sep 22;18(10). pii: E2033. DOI: 10.3390/ijms18102033.

Curriculum vitae

Dimitris Poulcharidis was born on the 7th of June 1989 in Thessaloniki, Greece. After taking the National University Entrance Examination in 2008, he entered the school of Chemistry at the Aristotle University of Thessaloniki. In 2012 he obtained his bachelor's degree in Chemistry first of his class, specialising in organic chemistry, biochemistry/biotechnology and food chemistry. Thereafter, he moved to the University of Leeds for his master's study in the field of chemical biology and drug design. In 2013, he obtained his master's degree with merit, with the thesis 'Identifying the molecular targets of TRPC inhibitors' under the supervision of Dr. Robin Bon.

From September 2013 to October 2017, Dimitris studied in the groups of Bio-organic Synthesis and Supramolecular & Biomaterials Chemistry in Leiden University as a PhD student under the supervision of Prof. Dr. Alexander Kros and Dr. Sander I. van Kasteren. The author conducted research at the interface of chemical biology and supramolecular chemistry. During his PhD study, he developed an assay to study cell-cell interactions and studied the supramolecular modification of L-form bacteria. Part of the research described in his thesis was conducted at the Max Planck Institute (Freiburg) in the department of Immunobiology and Epigenetics of Prof. Dr. Erika L. Pearce. He presented his work at several (inter)national conferences, including the Chemical Biology Symposium (London, United Kingdom, 2017) and CHAINS (Veldhoven, the Netherlands, 2017).

In November 2017 he joined Ortec Finance as a business consultant. Since October 2018 he has been working as a consultant for Deloitte.