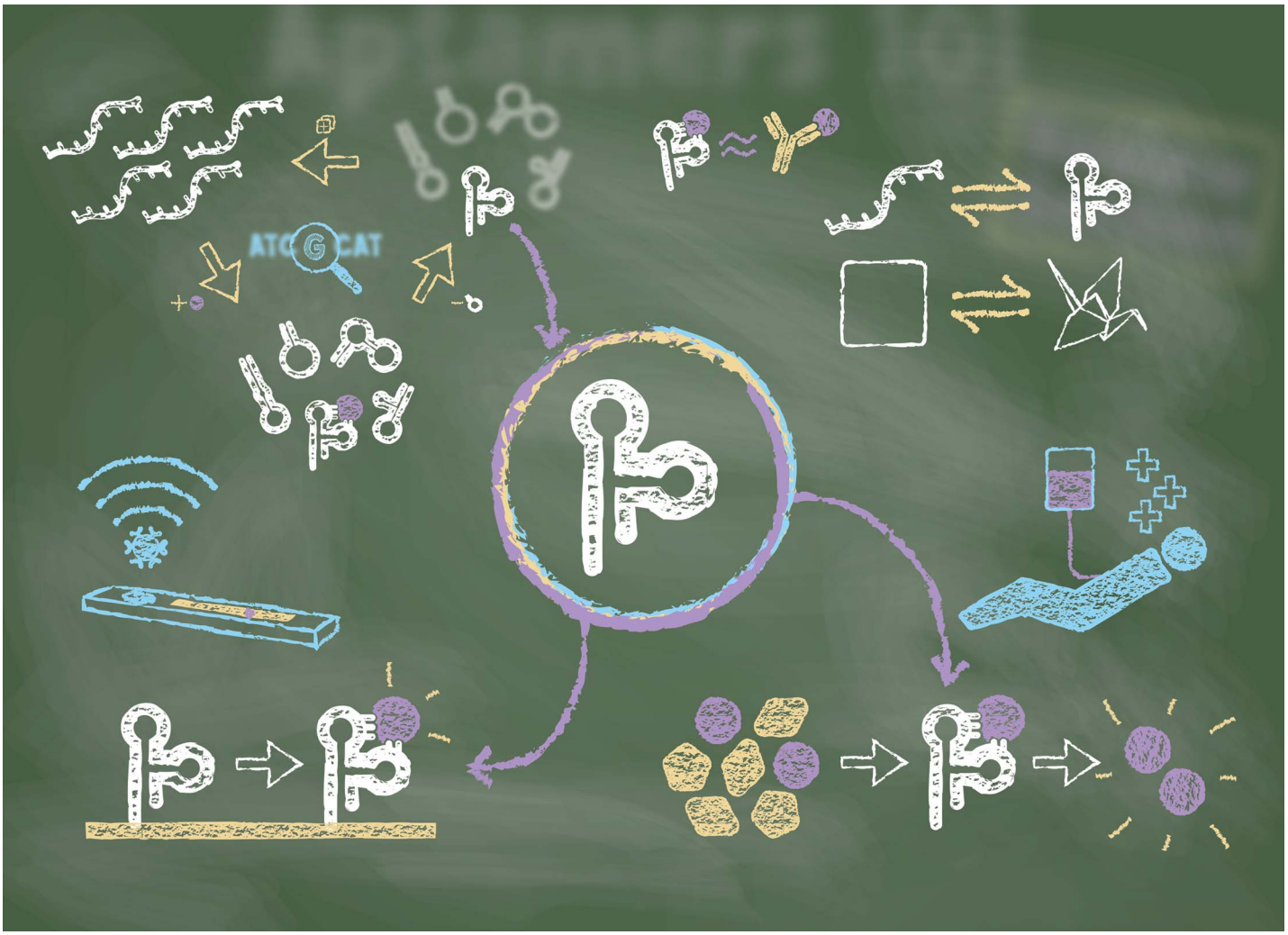
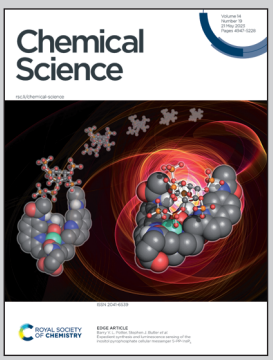


Showcasing research from Professor Suzie Pun's laboratory, Department of Bioengineering, University of Washington, Seattle, WA, USA. Illustration by Dr. Lucy Yang.

Aptamers 101: aptamer discovery and *in vitro* applications in biosensors and separations

Introduction to aptamers, which are short, single-stranded nucleic acids that specifically recognize and bind targets. Students will develop an understanding of how aptamers are discovered and their *in vitro* applications. Explores aptamer applications in biosensing, such as electrochemical aptamer-based biosensors and lateral flow assays, through the lens of COVID-19 diagnostics. Investigates aptamer-based separations, such as label-free cell separation for CAR T cell therapy. Equips students to understand cutting-edge aptamer research and develop new aptamer technologies. *Pre-requisite: None. No textbook required. Offered: fall, winter, spring, summer.*

As featured in:



See Suzie H. Pun *et al.*, *Chem. Sci.*, 2023, **14**, 4961.

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