

# **Danith Ly**

**Professor at Carnegie Mellon University**

Pittsburgh, PA, US

Danith Ly's research is focused on the design and development of molecular tools and reagents to regulate gene expression.

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## **Biography**

For the past several years, Danith Ly's research has been focused on the design and development of molecular tools and reagents to regulate gene expression and probe protein localization and dynamics in human somatic and embryonic stem cells (ESC). He is particularly interested in dissecting the genetic blueprint of human ESC and addressing fundamental questions pertaining to the cellular origins of cancer. More recently, he has expanded his research program into other areas including protein design, tissue engineering and molecular self-assembly.

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## **Areas of Expertise**

Stem Cells, Reagents, Molecular Tools, Tissue Engineering, Cellular Origins of Cancer, Embryonic Development, Protein Design

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## **Education**

**Georgia Institute of Technology**

Ph.D. Organic Chemistry

**Georgia Institute of Technology**

B.S. Chemical Engineering

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