

# ***New Opportunities at the Interface of Chemistry and Biology – From Stem Cells to the Genetic Code***

## **Peter Schultz, PhD**

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Chief Executive Officer and Vice-Chairman, [The Scripps Research Institute](#)

**Wednesday, May 3<sup>rd</sup> 4:00PM**

Ryan Family Auditorium  
Technological Institute  
2145 Sheridan Rd., Evanston Campus

**Reception follow to follow at 5:00pm**



Our research program combines the tools and principles of chemistry with the molecules and processes of living cells to synthesize new molecules and molecular assemblies with novel physical, chemical and biological functions. By studying the structure and function of the resulting molecules, new insights can be gained into the mechanisms of complex biological and chemical systems.

Examples of this synergistic chemical/biological approach to synthesis will be discussed including the addition of amino acids with novel biological, chemical and physical properties to the genetic codes of prokaryotic and eukaryotic organisms, and the identification of small molecules that control stem cell self-renewal and directed differentiation, as well as reprogramming of somatic cells.

This is a required activity for the CLP Trainees.

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