

Kevin Noonan

Associate Professor at Carnegie Mellon University

Pittsburgh, PA, US

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Biography

Kevin Noonan's research is focused on the synthesis of new compounds possessing main group elements to impact polymer chemistry and catalysis. The advent of synthetic polymer chemistry has had an enormous impact on our modern world. Though most commercial polymeric materials are made from organic synthons, the incorporation of main group elements or transition metals into polymer backbones can afford materials with unique properties. Sophisticated ligand design can offer mechanistic insight to known reactions while also leading to new catalytic activity. His research aims to build unique ligand frameworks using organophosphorus chemistry and apply these in catalyst systems, exploring many areas of catalysis including polyolefin synthesis and the development of methodologies to prepare functional organic substrates.

Industry Expertise

Chemicals

Areas of Expertise

Polymer Chemistry, Organophosphorus Chemistry, Homogeneous Catalysis, Organometallics

Education

University of British Columbia:

Ph.D. Chemistry

Dalhousie University

B.S.

Accomplishments

NSF Career Award

2015

Army Research Office Young Investigator Award

2013

NSERC Postdoctoral Fellowship
2009?2011

NSERC Postgraduate Scholarship (Masters Level)
2005?2006

NSERC Postgraduate Scholarship (Doctoral Level)
2006?2008

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