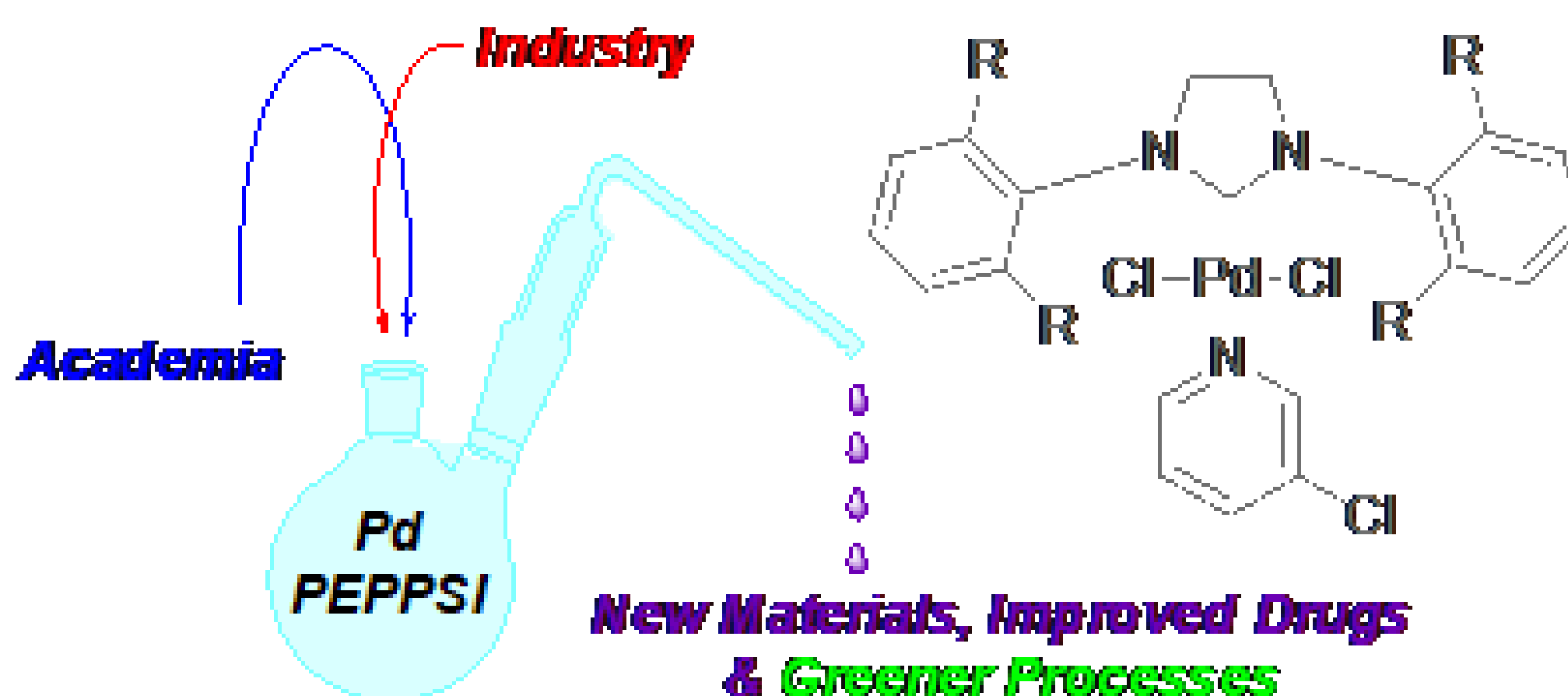




Dr. Michael Organ

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Academic / Industrial Research: A Perfect Marriage or Intellectual Prostitution.....You be the Judge



A description of the evolution of our research operation over the years will be presented and in particular the role that industrial collaborations played in that evolution. I will discuss the evolution of two projects that led to the creation of a family of commercially available catalysts and how we worked from a very fundamental scientific level through to the creation of these catalysts to solve long-standing problems in several industrial sectors (pharmaceutical, electronic materials, etc.).



Prof. Michael Organ is the Director of Centre for Catalysis Research and Innovation at the University of Ottawa. Research in the Organ group is built around developing new methods and technology that underpin synthetic organic chemistry and applying it to solve problems in a variety of application areas. The concept of microwave-assisted, continuous flow organic synthesis, was pioneered by the Organ lab and new innovations are being sought that facilitate flow chemistry. These include metal-film coated flow reactors to promote organic transformations, extreme temperature and pressure reactor and process design, the safe use of high-energy unstable reactants (e.g., azides and diazonium salts), continuous (real-time) in-line analysis, and hands-free process optimization and monitoring using in-house created hardware and software. Many of the projects in the Organ lab are conducted jointly with a variety of companies including those in the pharmaceutical, materials science, and scientific equipment development sectors.

For more information, please visit the Organ Lab - <https://mysite.science.uottawa.ca/organ/>