WILSON SONSINI

Luis G. Perla

ASSOCIATE

Patents and Innovations

Palo Alto

lperla@wsgr.com
650-849-3351

FOCUS AREAS

Patents and Innovations

EXPERIENCE

Dr. Luis G. Perla is an associate in the Palo Alto office of Wilson Sonsini Goodrich & Rosati, where he is a member of the firm's patents and innovations practice. Lu focuses on patent prosecution, freedom-to-operate, and due diligence in the fields of organic chemistry, medicinal chemistry, pharmaceuticals, and biotechnology.

Lu conducted his doctoral research at the University of Notre Dame on main group element nanoparticles, specifically organically functionalized Zintl Ions. He focused on the synthetic development of nanoparticle aggregation techniques with an expertise in various physical and computational characterization techniques. Furthermore, he completed a post-doctoral appointment at the University of California, Davis, studying the applications of main-group metal mediated catalysis, i.e., hydrogenation, carbon-carbon cross coupling, via the use of sterically encumbering ligands.

CREDENTIALS

Education

- J.D., Santa Clara University School of Law, 2024
  High Tech Law Certificate: Intellectual Property Specialization with Honors
- Ph.D., Chemistry, University of Notre Dame, 2017
- B.S., Chemistry, St. John's University, 2011

Associations and Memberships

- American Chemical Society

Admissions

- State Bar of California
- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with J.M. Kulenkampff, J.C. Fettinger, and P.P. Power, “Steric and Electronic Properties of the Bulky Terphenyl Ligand Ar^{tBu6} (Ar^{tBu6} = C_6H_3-2,6-(C_6H_2-2,4,6-$^tBu_3$)$_2$) and Synthesis of Its Tin Derivatives $Ar^{tBu6}SnCl$, $Ar^{tBu6}SnSn(H)_2Ar^{tBu6}$, and $Ar^{tBu6}SnSnAr^{tBu6}$: A New Route to a Distannyne via Thermolysis of the Asymmetric Hydride $Ar^{tBu6}SnSn(H)_2Ar^{tBu6}$,” 37(21) *Organometallics* 4048-4054, 2018
- Co-author with A. Muñoz-Castro and S.C. Sevov, “Eclipsed- and Staggered-$[Ge_{18}Pd_3\{E^iPr_3\}_6]^{2-}$(E = Si, Sn): Positional Isomerism in Deltahedral Zintl Clusters,” 139(42) *Journal of the American*

Chemical Society 15176-15181, 2017

- Co-author with S.C. Sevov, "A Stannyl-Decorated Zintl Ion $[Ge_{18}Pd_3(Sn^iPr_3)_6]^{2-}$: Twinned Icosahedron with a Common Pd_3-Face or 18-Vertex Hypho-Deltahedron with a Pd_3-Triangle Inside," 138(31) *Journal of the American Chemical Society* 9795-9798, 2016
- Co-author with S.C. Sevov, "Cluster Fusion: Face-Fused Nine-Atom Deltahedral Clusters in $[Sn_{14}Ni(CO)]^{4-}$," 55 *Angew. Chem. Int. Ed.* 6721, 2016
- Co-author with S.C. Sevov, "$[Bi_{12}Ni_7(CO)_4]^{4-}$: Aggregation of Intermetalloid Clusters by Their Thermal Deligation and Oxidation," 54(17) *Inorganic Chemistry* 8401-8405, 2015
- Co-author with A.G. Oliver and S.C. Sevov, "Bi_7^{3-}: The Missing Family Member, Finally Isolated and Characterized," 54(3) *Inorganic Chemistry* 872-875, 2015

TECHNICAL FLUENCY

Biological Sciences and Biotechnology

- Cancer therapeutics

Therapeutics and Drug Discovery

- Drug conjugates
- Drug delivery
- Pharmacology
- Small molecule synthesis
- Small molecules

Chemistry and Material Science

- Catalysis
- Chemical synthesis
- Chemistry
- Green chemistry
- Materials chemistry
- Organic chemistry
- Organometallics
- Peptidomimetics
- Polymers
- Polymorph
- Process chemistry
- Supramolecular chemistry