CiQUS Lecture

Transition-metal catalyzed C-C bond forming reactions. From cross-coupling to C-H activation

Prof. Esther Lete

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More info: Research Group website

Monday, April 4, 2022
12:15 p.m. CiQUS Seminar Room & Zoom Session

Link to personal website: https://www.ehu.eus/en/web/oms/home

Biosketch:

Esther Lete is Professor of Organic Chemistry at the Department of Organic and Inorganic Chemistry, Faculty of Science and Technology, UPV/EHU. She obtained a first class honors degree in Chemistry at the University of Bilbao in 1978. She received a PhD degree (extraordinary doctoral award) at the University of the Basque Country in 1982 with a thesis on synthesis of 3-arylisoquinolines (supervisor. E. Domínguez). After a stay with P. J. Garratt at University College London, studying the chemistry and synthetic applications of carbanions, she took up a lectureship in organic chemistry at the University of the Basque Country (1985), where she was promoted to Full Professor in 1997. Together with Prof. Nuria Sotomayor, she leads the research group Organometallics in synthesis (www.ehu.es/oms), recognized as Consolidated Research Group by the Basque Government since 2000.

She has a wide experience in synthetic organic chemistry. Her research interests include organometallic chemistry and asymmetric catalysis. Her major contributions to this field comprise the development of stereo- and enantioselective strategies of C-C bond forming reactions for the synthesis of heterocycles. Especially she is concerned with synthetic methodologies based on transition metal-catalyzed C-H activation, alkenylation, arylation or acylation reactions for the synthesis of biologically active compounds, natural products or drugs. She also participates in interdisciplinary projects that involve computational chemistry and machine learning for reaction prediction and design of new catalysts.