

## Brief CV of Prof. M. Oiarbide

Mikel Oiarbide Garmendia was born in Alzaga (Gipuzkoa, Spain) in 1963

### Degrees

Ph. D. in Organic Chemistry, University of the Basque Country UPV/EHU, 1991  
Laurea in Chemistry, University of the Basque Country UPV/EHU, 1986

### Early Research Activity

Department of Organic Chemistry, UPV/EHU, 1981-1986 (PhD)  
Department of Chemistry, University of California, Berkeley, 1991-1993 (PDF)

### Positions in Academy

Full Professor, University of the Basque Country UPV/EHU, 2004 to the present  
Associate Professor (Tenure), UPV/EHU, 1994–2004  
Associate Professor, UPV/EHU, 1992–1994  
Assistant Professor, UPV/EHU, 1990–1991

### Memberships

Spanish Royal Society of Chemistry, American Chemical Society

### Research Topics (A total of 74 articles, 1 patent, and 6 PhD Theses supervised)

Stereoselective C–C bond forming reactions • Asymmetric catalysis; Organocatalysis •  
Synthesis of biologically active molecules

### Selected Publications (with C. Palomo)

*JACS* **2002**, *124*, 8637 (new sugar-peptide hybrids)  
*JACS* **2003**, *125*, 13942 (catalytic asymmetric Diels-Alder reaction)  
*ACIE* **2005**, *44*, 3881 (catalytic asymmetric Henry reactions )  
*JACS* **2005**, *127*, 4154 (catalytic asymmetric Friedel-Crafts alkylations)  
*JACS* **2005**, *127*, 17622; *JACS* **2008**, *130*, 7955 (asymmetric aza-Henry under PTC)  
*ACIE* **2005**, *44*, 3881 (catalytic asymmetric cycloadditions of nitrones)  
*JACS* **2006**, *128*, 15236 (sulphur migration giving tio-aldol adducts)  
*ACIE* **2006**, *45*, 117 (double catalytic activation in enantioselective aza-Henry reactions)  
*ACIE* **2007**, *46*, 8431 (asymmetric iminium catalysis in/on water)  
*CEJ* **2008**, *14*, 8768 (catalytic asymmetric additions of R<sub>2</sub>Zn)  
*OL* **2008**, *10*, 2637 (asymmetric generation of all-carbon quaternary stereocenters)  
*CEJ* **2009**, *15*, 1562 (asymmetric organocatalytic additions to vinyl sulfones)  
*CSR* **2009**, *38*, 632 (asymmetric catalysis by Brønsted bases)  
*CS* **2011**, *2*, 353 (asymmetric organocatalytic  $\alpha$ -alkylation of aldehydes)  
*CS* **2012**, *3*, 2949 (asymmetric organocatalytic Mannich reaction of aldehydes)  
*ACIE* **2012**, *51*, 10856 (Rh-catalyzed asymmetric synthesis of thiiranes)  
*CSR* **2012**, *41*, 4150 ( $\alpha$ -hydroxyenones as templates in asymmetric reactions)  
*CS* **2013**, *4*, 3198 (asymmetric organocatalytic aldol reaction of aldehydes)

### Others

Fullbright fellowship (UC-Berkeley, 1991-1993) • Nine talks in scientific conferences •  
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