



S. Quideau

## Stéphane Quideau

<b>Date of birth:</b>	May 28, 1966
<b>Position:</b>	Professor of Organic Chemistry, Université de Bordeaux
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<b>Education:</b>	1989 Master's degree, Université de Nantes 1994 PhD with Prof. John Ralph, University of Wisconsin–Madison 1994–1997 Postdoctoral position with Prof. Ken S. Feldman, Pennsylvania State University
<b>Awards:</b>	<b>2004</b> Junior Member of the Institut Universitaire de France; <b>2006</b> Prix Acros, Société Chimique de France; <b>2006</b> Prix du Dr et de Mme Henri Labbé, Académie des Sciences; <b>2008</b> Scientific Prize, Groupe Polyphénols
<b>Current research interests:</b>	Plant polyphenol chemistry and chemical biology; hypervalent iodine chemistry; phenol dearomatization in organic synthesis; total synthesis of natural products
<b>Hobbies:</b>	Bebop and Lindy Hop dancing, wine tasting, reading philosophy and history

The author presented on this page has recently published his **10th article** in *Angewandte Chemie* in the last 10 years:

“Gallotannins and Tannic Acid: First Chemical Syntheses and In Vitro Inhibitory Activity on Alzheimer's Amyloid  $\beta$ -Peptide Aggregation”: T. Sylla, L. Pouységu, G. Da Costa, D. Defieux, J.-P. Monti, S. Quideau, *Angew. Chem. Int. Ed.* **2015**, 54, 8217; *Angew. Chem.* **2015**, 127, 8335.

**When I was eighteen I wanted to be** an organic chemist! What else?

**If I could be anyone for a day, I would be** Marcus Antonius, if I could choose the day!

**My favorite painter is** perhaps Kandinsky, or Modigliani, or Gustav Klimt, or Picasso, or Nicolas de Staël, or van Gogh, or Botticelli, or Filippo Lippi, or Caravaggio or ...

**My favorite book is** *L'Écume des jours* (English: *Froth on the Daydream*) by Boris Vian, or *On the Road* by Jack Kerouac, but also any book by Ernest Hemingway!

**The natural talent I would like to be gifted with** would be to play the guitar like Django Reinhardt!

**My motto is** “γνῶθι σεαυτόν” (know thyself).

**My favorite drink is** ... I should let you guess! Who said wine? Yes, bravo! Not only from Bordeaux, but any fine wine that tells the story about where its vine grows and who made it.

**In a spare hour, I** would quickly join my dance partner to rehearse the choreography for the next show.

**My favorite quote is** “The scientist is not a person who gives the right answers, he's one who asks the right questions” (Claude Lévi-Strauss).

**I advise my students to** enjoy their research work and stay focused!

**My favorite name reaction is** the Diels–Alder reaction! Can anyone suggest something better?

### My 5 top papers:

1. “Asymmetric Hydroxylative Phenol Dearomatization Promoted by Chiral Binaphthyl and Biphenyl Iodanes”: C. Bosset, R. Coffinier, P. A. Peixoto, M. El Assal, K. Miqueu, J.-M. Sotiropoulos, L. Pouységu, S. Quideau, *Angew. Chem. Int. Ed.* **2014**, 53, 9860; *Angew. Chem.* **2014**, 126, 10018. (Chiral iodane-mediated oxygen-atom transfer performances in phenol dearomatization/Diels–Alder cascade reactions with *ee* values up to 94%.)
2. “First and biomimetic total synthesis of a member of the C-glucosidic subclass of ellagitannins, 5-O-desgalloylepipunicacortin A”: D. Deffieux, A. Natangelo, G. Malik, L. Pouységu, J. Charris, S. Quideau, *Chem. Commun.* **2011**, 47, 1628. (Quite a challenge! Everything is in the title.)
3. “Binding of Filamentous Actin and Winding into Fibrillar Aggregates by the Polyphenolic C-Glucosidic Ellagitannin Vescalagin”: S. Quideau, C. Douat-Casasus, D. M. Delannoy López, C. Di Primo, S. Chassaing, R. Jacquet, F. Saltel, E. Genot, *Angew. Chem. Int. Ed.* **2011**, 50, 5099; *Angew. Chem.* **2011**, 123, 5205. (About the anti-actin action of vescalagin in vitro and in celulo.)
4. “Total Synthesis of (+)-Aquaticol by Biomimetic Phenol Dearomatization. Double Diastereofacial Differentiation in Diels–Alder Dimerization of Orthoquinols with a C<sub>2</sub>-Symmetric Transition State”: J. Gagnepain, F. Castet, S. Quideau, *Angew. Chem. Int. Ed.* **2007**, 46, 1533; *Angew. Chem.* **2007**, 119, 1555. (A rare case of bis-pericyclic reactivity at play in the synthesis of a natural product.)
5. “The Chemistry of Wine Polyphenolic C-Glycosidic Ellagitannins Targeting Human Topoisomerase II”: S. Quideau, M. Jourdes, D. Lefeuvre, D. Montaudon, C. Saucier, Y. Glories, P. Pardon, P. Pourquier, *Chem. Eur. J.* **2005**, 11, 6503. (About the influence of oak ellagitannins on the chemical profile of wines aged in barrels.)

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