Part A. Personal Information

DATE	29/04/2019

Surname(s)	Pischel	
Forename	Uwe	
Sex	Male	
Age	45	
Researcher codes	WoS Researcher ID	K-8314-2012
	Open Researcher and Contributor ID (ORCID)	0000-0001-8893-9829

A.1. Current position

Post/ Professional Category	Profesor Catedrático de Universidad (Full Professor)	
UNESCO Code	2306.00	
Key Words	organic chemistry, photochemistry, molecular switches, molecular logic, fluorescent probes, supramolecular chemistry	
Name of the University/Institution	University of Huelva	
	Department/Centre	Centre for Research in Sustainable Chemistry (CIQSO)
	Full Address	Campus de El Carmen s/n, 21071 Huelva
	Email Address	uwe.pischel@diq.uhu.es
	Phone Number	959219982
Start date	25/04/2019	

A.2. Education

Year	University	Degree	Title
1998	Humboldt University Berlin	First degree	Diploma-Chemist
2001	University of Basel	PhD	Doctor in Chemistry

A.3. Indicators of Quality in Scientific Production

Total number of citations: 4034 (WoS)
Average number of citations in last 5 years (2014-2018): 425 (WoS)
Total number of publications: 105
Total number of publications in first quartile (Q1): 71
h-index: 32 (WoS)
Supervised Doctoral Theses: 3 (defended), 2 more in course
Research complements ("sexenios"): 3 (last in 2016)
Teaching complements (“quinquenios”): 2 (last in 2017)

Part B. Free Summary of CV

Uwe Pischel (1973) holds a First Degree in Chemistry from the Humboldt University Berlin, Germany (1998) and a PhD Degree in Chemistry from the University of Basel, Switzerland (*summa cum laude*, 2001). He initiated his independent research career at the University of Porto, Portugal (2003-2006), followed by a period as Ramón y Cajal Fellow (2006-2009; Polytechnical University of Valencia and University of Huelva). Between October 2009 and September 2016, he was a Lecturer ("Profesor Contratado Doctor") and since October 2016 he was an Associate Professor ("Profesor Titular") of Organic Chemistry at the University of Huelva. Since April 2019 he is a Full Professor (“Profesor Catedrático”) of Organic Chemistry.
Research Experience. The interest in organic photochemistry dates to the PhD thesis about the photoreactivity of azoalkanes and carbonyl compounds at the University of Basel

(supervision by Prof. W. M. Nau). In 2002 Dr. Pischel moved to the Polytechnical University of Valencia with the support of a postdoctoral fellowship of the German Research Foundation (DFG), where he investigated stereoselective processes in the excited state (group of Prof. M. A. Miranda). In 2003 he accepted a position as Assistant Researcher (Portuguese equivalent of the Spanish Ramón y Cajal Program) at the University of Porto. Here he started his works on molecular logic and switches, a field where he is internationally especially recognized (e.g., Grammaticakis-Neumann Award in 2013). In 2006 he moved with a Ramón y Cajal Fellowship to the Polytechnical University of Valencia and later to the University Huelva, where he extended his research towards supramolecular photochemistry and the design of fluorescent probes. Presently he has his own research group, integrated in the Center for Research in Sustainable Chemistry (CIQSO) at the University of Huelva. He is author/coauthor of **105 publications** and of **5 book chapters**. He has been **PI of 6 competitive projects** (national or autonomous level). Further he has presented **10 invited lectures and 7 oral communications in the last 5 years** at national and international conferences.

Research lines and objectives. Currently Dr. Pischel works in three main research lines, that are related among them: (a) molecular switches and molecular Logic, (b) supramolecular photochemistry in water, (c) fluorescent dyes and their applications. The objectives are related to the advance towards photoactivatable molecular devices for the transport and release of drugs and other functional molecules.

Part C. Relevant accomplishments

C.1. Selected Publications (10)

(1) *Light-driven control of the composition of a supramolecular network*. P. Remón, D. González, S. M. Li, N. Basílio, J. Andréasson, U. Pischel, *Chem. Commun.* **2019**, *55*, 4335-4338.

(2) *Bis(dioxaborine) dyes with variable π-bridges: towards two-photon absorbing fluorophores with very high brightness*. A. Moneo Marín, J. P. Telo, D. Collado, F. Nájera, E. Pérez-Inestrosa, U. Pischel, *Chem. Eur. J.* **2018**, *24*, 2929-2935.

(3) *Caged competitor guests: a general approach to light-activated supramolecular chemistry with cucurbiturils.* M. A. Romero, N. Basílio, A. J. Moro, M. Domingues, J. A. González-Delgado, J. F. Arteaga, U. Pischel, *Chem. Eur. J.* **2017**, *23*, 13105-13111.

(4) *Drug delivery by controlling a supramolecular host-guest assembly with a reversible photoswitch.* N. Basílio, U. Pischel, *Chem. Eur. J.* **2016**, *22*, 15208-15211.

(5) *Phototriggered release of amine from a cucurbituril macrocycle.* J. Vázquez, M. A. Romero, R. N. Dsouza, U. Pischel, *Chem. Commun.* **2016**, *52*, 6245-6248.

(6) *Strongly emissive and photostable four-coordinate organoboron N,C-chelates and their application in fluorescence microscopy.* V. F. Pais, M. M. Alcaide, R. López-Rodríguez, D. Collado, F. Nájera, E. Pérez-Inestrosa, E. Álvarez, J. M. Lassaletta, R. Fernández, A. Ros, U. Pischel, *Chem. Eur. J.* **2015**, *21*, 15369-15376.

(7) *A supramolecular keypad lock.* C. Parente Carvalho, Z. Domínguez, J. P. Da Silva, U. Pischel, *Chem. Commun.* **2015**, *51*, 2698-2701.

(8) *An all-photonic molecule-based parity generator/checker for error detection in data transmission.* M. Bälter, S. M. Li, J. R. Nilsson, J. Andréasson, U. Pischel, *J. Am. Chem. Soc.* **2013**, *135*, 10230-10233.

(9) *An all-photonic molecule-based D flip-flop.* P. Remón, M. Bälter, S. M. Li, J. Andréasson, U. Pischel, *J. Am. Chem. Soc.* **2011**, *133*, 20742-20745.

(10) *All-photonic multifunctional molecular logic device.* J. Andréasson, U. Pischel, S. D. Straight, T. A. Moore, A. L. Moore, D. Gust, *J. Am. Chem. Soc.* **2011**, *133*, 11641-11648.

C.2. Research Grants as Principal Investigator

(1) Aplicaciones de liberación de huespedes inducida por luz en sistemas supramoleculares (**CTQ2017-89832-P**)
Ministerio de Economía y Competitividad (MINECO)
2018-2020

(2) Diseño y caracterización de nuevos fluoróforos conteniendo boro y sus aplicaciones (**CTQ2014-54729-C2-1-P**)
Ministerio de Economía y Competitividad (MINECO)
2015-2017

(3) Molecular Information Processing – Development of "Intelligent" Fluoroprobes for Biomedical Applications (**P12-FQM-2140**)
Consejería de Economía y Conocimiento, Junta de Andalucía
2014-2019

(4) Interruptores supramoleculares en base de complejos anfitrión-huésped (**CTQ2011-28390**)
Ministerio de Economía y Competitividad (MINECO)
2012-2014

(5) Nuevos materiales orgánicos-inorgánicos híbridos como químiosensores fluorescentes basados en partículas nanométricas de sílice y quantum dots (**FQM-3685**)
Consejería de Innovación, Ciencia y Empresa, Junta de Andalucía
2009-2013

(6) Estrategias avanzadas para el diseño de dispositivos lógicos moleculares (**CTQ2008-06777-C02-02/BQU**)
Ministerio de Ciencia y Innovación (MICINN)
2009-2011

C.3. Director of PhD Theses

(1) Cátia Diana Parente Caldeira Carvalho
Supramolecular cucurbituril complexes for applications in bio-relevant contexts
2015
Other Comments: "Extraordinary PhD Award" (2015/16)

(2) Patricia María Remón Ruiz
Diseño y caracterización de nuevos sistemas fluorescentes para su utilización como interruptores y puertas lógicas moleculares: implicación de procesos de transferencia electrónica y de energía en el estado excitado
2014

(3) Vânia Cristina Fernandes Pais
Design and characterization of molecular fluorescent architectures for potential applications as sensors and logic switches
2014

C.4. Participation in Evaluation Tasks

- Journals (e.g., JACS, Angew. Chem. Int. Ed., PNAS, Nature Commun., Chem Commun., Chem. Sci., Chem. Eur. J.)
- Projects and fellowships (ERC Advanced Grant, ANEP, Israel Science Foundation, FONDECYT, NWO Netherlands, Polish National Science Foundation).

C.5. Implication in Management Tasks

General Director for Research, Vicerectorate for Research, University of Huelva (2010-2013 and 2016-2017)

C.6. Editorial Commitees

Guest Editor of a Special Issue on Moleclar Logic in *ChemPhysChem* (Wiley); published in July 2017
Member of Editorial Board *ChemPhotoChem* (Wiley); since 2016
Member of Editorial Board *Chemistry Select* (Wiley); since 2016

C.7. Prizes and Awards

1999 Kekulé Fellowship of the German Fonds of the Chemical Industry, Frankfurt/Main
2003 Albert-Weller Award of the Photochemistry Subdivision of the German Chemical Society, Frankfurt/Main
2005 Ramón y Cajal Fellowship
2013 Grammaticakis-Neumann Award; Swiss Chemical Society (SCS), Bern

C.8. Selected Invited Talks at Conferences and Meetings

XXVII Reunión Bienal de Química Orgánica - Santiago (2018), ***Jornadas Ibéricas de Fotoquímica*** - Lisbon (2014), Aveiro (2018), ***XIII Encuentro Latinoamericano de Fotoquímica y Fotobiología*** - Villa Carlos Paz (2017), ***23rd IUPAC Conference Physical Organic Chemistry*** - Sydney (2016); ***International Conference on Molecular Sensors and Molecular Logic Gates*** - Antalya (2010), Seoul (2012), Shanghai (2014), Bath (2016); ***5th International Conference on Cucurbitruils*** - Brno (2017), ***25th IUPAC Symposium on Photochemistry*** - Bordeaux (2014); ***XXIII Encontro Nacional da Sociedade Portuguesa de Química*** - Aveiro (2013), ***Fall Meeting Swiss Chemical Society*** - Lausanne (2013); ***IX Spanish-Italian Symposium on Organic Chemistry,*** Tenerife (2012); ***25th International Conference on Photochemistry*** - Beijing (2011)