

SURNAMES: O'SULLIVAN.
NAME: CIARA **GENDER:** Female
ID number: X3105901G **DATE OF BIRTH:** 25/04/1971
Personal address: Rambla Nova, 80 Àtic 1ª
City: Tarragona **POSTAL CODE:** 43003 **PHONE NUMBER:** 977240312

SPECIALIZATION (UNESCO CODES): Enginyeria bioquímica / Enginyeria i tecnologia químiques (vegeu 2303, 2304 i 2306) / Enginyeria i tecnologia del medi ambient

ACTUAL PROFESSIONAL SITUATION AND STARTING DATE: Associado/da Laboral 7 Horas -ICREA - 01/09/2010
ORGANIZATION: Universitat Rovira i Virgili
Center: Escola Tècnica Superior d'Enginyeria Química
DEPT./SECT./STR. UNIT: Department of Chemical Engineering
POSTAL ADDRESS: Avda. Països Catalans, 26 (Tarragona - 43007)
PHONE NUMBER (Add number and extension): 977558740 ext.

X CONTRACT OTHER SITUATION:
- STAFF DEDICATION:
- SCHOLARSHIP HOLDER X a) FULL TIME
- TEMPORARY - b) PART TIME
- LEAVE SPECIFY:

Languages of scientific interest (*Regular, Sufficient, Well*)

<u>Language</u>	<u>Speak</u>	<u>Read</u>	<u>Write</u>
**Anglès Well	Well	Well	
**Francès	Regular	Regular	Regular
**Alemany	Regular	Regular	Regular
**Grec Well	Well	Well	
**Espanyol	Well	Well	Well

Academic Studies

Key: Diploma / Degree / Activities
Title: Ciències Químiques
Center: Universitat de Dublín (Irlanda)
Date: 1992

Key: Ph.D. **Thesis Director:** Dr. A.P.F. Turner
Title: Biotecnologia
Center: Universitat de Cranfield (Anglaterra)
Date: 1996

Former Activities

Activity: Investigador ajudant, Universitat de Cranfield (Anglaterra)	Beginning date: 1993	Ending date: 1996
Activity: Investigador principal, Universitat College Cork (Irlanda)	Beginning date: 1996	Ending date: 1999
Activity: Investigador postdoctorat, Corporació Bayer (EEUU)	Beginning date: 2000	Ending date: 2000
Activity: Investigador Marie Curie, ETSEQ, URV (Espanya)	Beginning date: 2000	Ending date: 2002
Activity: Inv. Ramon y Cajal, ETSEQ, URV (Espanya)	Beginning date: 15/11/2002	Ending date: 15/11/2003
Activity: Inv.ICREA, Institut Catalana de Recerca i Estudis Avançats 01/01/2999	Beginning date: 16/11/2003	Ending date:

Journal Publications

2013

Svobodova, M., Bunka, D.H.J., Nadal, P., Stockley, P.G., O'Sullivan, C.K., Selection of 2'F-modified RNA aptamers against prostate-specific antigen and their evaluation for diagnostic and therapeutic applications. (2013) *Analytical and Bioanalytical Chemistry*, pp. 1-9 (Article in press)

Ramfos, I., Vassiliadis, N., Blionas, S., Efstathiou, K., Fragoso, A., O'Sullivan, CK., Birbas, A., A compact hybrid-multiplexed potentiostat for real-time electrochemical biosensing applications. (2013) *Biosensors & Bioelectronics*, 47, pp. 482-489.

Civit, L., El-Zubir, O., Fragoso, A., O'Sullivan, CK., Spectroscopic and atomic force microscopy characterization of the electrografting of 3,5-bis(4-diazophenoxy)benzoic acid on gold surfaces. (2013) *Biosensors & Bioelectronics*, 41, pp. 840-843

2012

Pinto, A., Lennarz, S., Rodrigues-Correia, A., Heckel, A., O'Sullivan, C.K., Mayer, G., Functional Detection of Proteins by Caged Aptamers. (2012) *Acs Chemical Biology*, 7 (2), pp. 360-366.

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Rosales, L.C., Acero Sánchez, J.L., Lozano Sánchez, P., Katakis, I., O'Sullivan, C.K., Amperometric immunosensor for the determination of IgA deficiency in human serum samples. (2012) *Biosensors & Bioelectronics*, 33 (1), pp. 134-138.

Ortiz, M., Torrén, M., Fragoso, A., O'Sullivan C.K., Highly sensitive colorimetric enzyme-linked oligonucleotide assay based on cyclodextrin-modified polymeric surfaces. (2012) *Analytical and Bioanalytical Chemistry*, 403 (1), pp. 195-202.

Joda, H., Beni, V., Curnane, D., Katakis, I., Alakulppi, N., Partanen, J., Lind, K., Strömbom, L., O'Sullivan, CK., Low-medium resolution HLA-DQ2/DQ8 typing for coeliac disease predisposition analysis by colorimetric assay. (2012) *Analytical and Bioanalytical Chemistry*, 403 (3), pp. 807-819.

Ellis, H.J., Lozano-Sanchez, P., Bermudo, C., Šuligoj, T., Biagi, F., Bianchi, P.I., Corazza, G.R., De Silvestri, A., Bravi, E., Katakis, I., O'Sullivan, C.K., Ciclitira, P.J., Antibodies to Wheat High-Molecular-Weight Glutenin Subunits in Patients with Celiac Disease. (2012) *International Archives of Allergy and Immunology*, 159 (4), pp. 428-434.

Svobodová, M., Pinto, A., Nadal, P., O' Sullivan, C.K., Comparison of different methods for generation of single-stranded DNA for SELEX processes. (2012) *Analytical and Bioanalytical Chemistry*, 404 (3), pp. 835-842.

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O'Sullivan, C.K., Coeliac Disease - Microsystem for management and Monitoring, BELGIUM (2008) Invited Speaker, Micro-Nano-Bio convergence Systems (MNBS), 3-4 March

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O'Sullivan, C.K., Intelligent sensing platforms - connectivity and linking with electronic health records, ENGLAND (2008) Invited Speaker, SMI Point of Care Diagnostics, 27 & 28 October

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The application of integrated biosensors with antibody and macrocyclic receptor libraries in the measurement of algal cells and toxins in water, 1999-2002, European Commission, 004087, 170.000,00.

Marie Curie Fellowship - Development of biosensors for diagnosis of celiac disease, 2000-2002, European Commission, 005945, 120.000,00.

Feasibility of utilising microbial and chemical methods for clean-up of olive mill waste waters, 2001-2002, Enviro Europa, S.A., 005947, 15.000,00.

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Ayuda para costear los viajes y gastos diversos de la preparación de diversas propuestas a la UE, 2002-2002, Programa Nacional de Biotecnología, 007673, 8.000,00.

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