

## I. PERSONAL DETAILS AND CONTACT INFORMATION

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Name: **Pablo Ignacio Daniel Dans Puiggròs**  
 ID (UY): 1695173-8      Passport (CA): JX819869      ID (ES): Y1659737W  
 Orcid number: 0000-0002-5927-372X      Name in citations: **Pablo D. Dans**  
 Google scholar: <http://scholar.google.es/citations?user=7gFOImQAAAAJ&hl=es>  
 Address: Santa Eulalia, 29, 5, 1. 08012 Barcelona, Spain.      Tel: +34 635572232  
 Language skills: Spanish, French, English (fluent spoken, reading, and written)

## II. SCIENTIFIC / ACADEMIC PROFILE

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**Number of publications: 28 published articles** (14 as first author). **4 articles** in revision. **3 book chapter**. Average Impact Factor of publications: **9.444**. Total citations: **1085**, h-index: **16**.

### Five most relevant publications:

- Ivani Ivan, Dans Pablo D., et al. **Parmbosc1: a refined force field for DNA simulations.** *Nature Methods*, 13, 1, 55-8, (2016).
- Cuervo Ana, Dans Pablo D., et al. **Direct measurement of the dielectric polarization properties of DNA.** *PNAS*, 111, E3624-30, (2014). (First co-author)
- Dans Pablo D., Pérez Alberto, et al. **Exploring polymorphisms in B-DNA helical conformations.** *Nucleic Acids Res.*, 40, 10668-10678, (2012).
- Saint-Léger A., Bello-Cabrera C., Dans Pablo D., et al. **Saturation of recognition elements blocks evolution of new tRNA identities.** *Science advances*, Volume 2, Issue 4, e1501860, (2016).
- Darre Leonardo, Ivani Ivan, Dans Pablo D., Gómez Hansel, Hospital Adam, Orozco Modesto. **Small Details Matter: the Importance of the 2'Hydroxyl in RNA.** *Journal of American Chemical Society* 50, 16355-16363, (2016).

Training of human resources: Co-directed PhD theses: **2 concluded, 3 ongoing started in 2014 (x2) and 2017**. Co-directed master theses: **3 concluded**. Co-directed degree theses: **4 concluded**. Co-directed internships: **8**. Total **20**.

Participation in scientific events: Plenary conferences (**1**), invited speaker conferences (**18**), oral presentations (**18**), posters (**48**). Total **85**.

Participation in courses: Degree courses (**5**), courses for postgraduates (**8**), courses for teachers training (**2**), workshops/hands-on (**3**). Total **18** (49 different editions over 18 years).

## III. EDUCATION

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Degree in Biochemistry	<u>Faculty of Science</u> , University of the Republic (Udelar), Uruguay.	<b>2001</b>
PhD in Chemistry	<u>Faculty of Chemistry</u> , University of the Republic (Udelar), Uruguay. Passed with distinction (Summa cum laude).	<b>2008</b>
Postdoctorate	<u>Institute Pasteur of Montevideo</u> (Uruguay) Biomolecular Simulation group (head: Dr. Sergio Pantano).	<b>2008-2013</b>
Postdoctorate	<u>Faculty of Pharmacy</u> , University of Barcelona (UB), Spain. Computational Biology and Drug Design Group (head: Prof. Javier F. Luque).	<b>2010</b>
Posdoctorate	<u>Institute for Research in Biomedicine</u> , (IRB Barcelona), Spain. Molecular Modeling and Bioinformatics group (head: Prof. Modesto Orozco).	<b>2011-to date</b>