

## **COTELLA DIEGO**

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Residente a : Novara  
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## **CURRICULUM**

1999 Laurea in Scienze Biologiche, Università' del Piemonte Orientale.  
2003 Dottorato di Ricerca in Scienze Ambientali, Università' del Piemonte Orientale

1999 - 2002 R&D Staff Scientist, INNONSENSE srl, Colletterto Giacosa (TO)  
2004 - 2006 Ricercatore Postdoc (EU Marie Curie fellow), University of Technology, Dresda (Germania)  
2006 - 2010 Ricercatore Postdoc (Assegno di Ricerca) Università' del Piemonte Orientale  
2006 - 2010 Professore a contratto in Tecnologie ricombinanti (corso di laurea in Biotecnologie), Università' del Piemonte Orientale  
2010 - 2011 Visiting scientist, University of Medicine and Dentistry of New Jersey, Piscataway, USA

## **PUBBLICAZIONI SCIENTIFICHE**

### **Articoli su rivista**

**Cotella D**, Radicke S, Bortoluzzi A, Ravens U, Wettwer E, Santoro C, Sblattero D (2010). Impaired glycosylation blocks DPP10 cell surface expression and alters the electrophysiology of I (to) channel complex. *Pflugers Arch*. DOI 10.1007/s00424-010-0824-2

Radicke S, **Cotella D**, Sblattero D, Ravens U, Santoro C & Wettwer E. (2009). The transmembrane beta-subunits KCNE1, KCNE2, and DPP6 modify pharmacological effects of the antiarrhythmic agent tedisamil on the transient outward current I (to). *Naunyn Schmiedebergs Arch Pharmacol*. 379(6):617-26

**Cotella D**, Boria I, Dianzani I, Santoro C, Sblattero D. (2008) Primer sets for cloning the human repertoire of T cell Receptor Variable regions. *BMC Immunol*. 29;9:50.

Radicke S, **Cotella D**, Graf EM, Banse U, Jost N, Varró A, Tseng GN, Ravens U, Wettwer E. (2006) Functional modulation of the transient outward current Ito by KCNE beta-subunits and regional distribution in human non-failing and failing hearts. *Cardiovasc Res*. 71(4):695-703.

Radicke S, **Cotella D**, Graf EM, Ravens U, Wettwer E. (2005). Expression and function of dipeptidyl-aminopeptidase-like protein 6 as a putative beta-subunit of human cardiac transient outward current encoded by Kv4.3. *J Physiol*. 565(Pt 3):751-6.

**Cotella D**, Jost N, Darna M, Radicke S, Ravens U, Wettwer E. (2005) Silencing the cardiac potassium channel Kv4.3 by RNA interference in a CHO expression system. *Biochem Biophys Res Commun*. 330(2):555-60.

**Cotella D**, Secco P, Santoro C. (2003). Selection of peptides with affinity for the N-terminal domain of GATA-1: Identification of a potential interacting protein. *Biochem Biophys Res Commun*. 305(4):1061-6.

## Abstracts congressuali

- Houshmand N, Menesi D, Ravens U, Wettwer E, **Cotella D**, Papp JG, Varro A, Szuts V (2010). Is SAP97 the main modulator of regulating Kv ion channels in dilated cardiomyopathy? *Cardiovascular Res.* 87(1), S105-S105. Frontiers in Cardiovascular Biology Berlin 16-19 July 2010
- **Cotella D**, Radicke S, Wettwer E, Ravens U, Sblattero D, Santoro C (2008). Modulation of KCND3 by the transmembrane and juxtamembrane domains of DPP6 and DPP10. *Biophys. J.* 94: 1374. Biophysical Meeting, Long Beach (CA, USA), Feb. 2-6
- Radicke S, Poitz DM, **Cotella D**, Ravens U, Tseng GN, Wettwer E (2008). Interaction of Kv4.3 with Long QT associated mutations of KCNE2. *Biophys. J.* 94: 1375. Biophysical Meeting, Long Beach (CA, USA), Feb. 2-6
- **Cotella D**, Radicke S, Bortoluzzi A, Ravens U, Santoro C, Wettwer E, Slattero D (2007). Functional modulation of potassium channels by dipeptidyl aminopeptidase-like proteins [Abstract 202]. European Life Scientist Organization (ELSO), Dresden (Germany), Sept 1-4
- Radicke S, **Cotella D**, Jost N, Ravens U, Wettwer E (2006). Modulation of KV4.3-encoded currents by KCNE and DPP6 accessory  $\beta$ -subunits. Biophysical Society (BPS) meeting, Salt Lake City (Utah, USA), Feb. 18-22 [abstract 2580]
- **Cotella D**, Radicke S, Graf EM, Jost N, Ravens U, Wettwer E (2005). DPPX - A new putative regulatory  $\beta$ -subunit of  $I_{to}$  in failing and non-failing human heart [abstract 277]. *Circulation* 112 (17), II-38. American Heart Association (AHA) Scientific Session, Dallas (TX, USA), Nov. 13-16
- **Cotella D**, Radicke S, Graf EM, Ravens U, Wettwer E. (2005). DPP6 is a putative  $\beta$ -subunit of human cardiac transient outward current encoded by Kv4.3. European working group on Cardiac and Cellular Electrophysiology (EWGCCE), Antwerp (Belgium), 9-11 Sep.
- **Cotella D**, Radicke S, Graf EM, Ravens U, Wettwer E (2005). Dipeptidyl aminopetidase-like protein 6 (DPPX) is a putative  $\beta$ -subunit of human cardiac transient outward current encoded by Kv4.3. [abstract 187]. European Life Scientist Organization (ELSO) meeting, Dresden (Germany) Sept. 3-6.
- Radicke S, Jost N, **Cotella D**, Banse U, Ravens U, Wettwer E (2005). Expression and function of putative Kv4.3  $\beta$ -subunits in heart failure. *J Mol Cell Cardiol* 38 (6), 1014 [abstract 042]. International Heart Research Society (ISHR), section meeting, Tromso (Norway), Jun. 21-25.
- **Cotella D**, Darna M, Iost N, Ravens U, Wettwer E (2005). Silencing the cardiac potassium channel Kv4.3 by RNA interference in a CHO expression system. *Naunyn Schmiedebergs Arch Pharmacol* 371 (suppl 1) R60 [abstract]. *Deutsche Gesellschaft fur experimentelle und klinische Pharmakologie und Toxikologie* meeting, Mainz (Germany), Mar. 15-17.
- Barni E, Barolo C, Bellinvia S, Quagliotto P, Viscardi G, Fiscaro E, Compari C, Santoro C, Secco P, **Cotella D** (2004). Gemini cationic surfactants. Synthesis and characterization of possible vectors for cell transfection. *Convegno Nazionale della Divisione di Chimica Organica*, Potenza (Italy), Aug. 31-Sep. 4.
- **Cotella D**, Micheletta P, Caputo G, Santoro C, Berta G (2003). Oxidoreductase-based biosensors as analytical tools for use in bioremediation monitoring. EUROSENSORS XVII congress, Guimaraes (Portugal), Sep. 21-24.
- **Cotella D**, Micheletta P, Caputo G, Santoro C, Berta G (2003). Development of enzyme biosensors for environmental monitoring of monoaromatic organic pollutants. *Consorzio Interuniversitario per le Biotecnologie* (CNB<sub>6</sub>) congress, Padova (Italy), Jun.4-6.

- Secco P, Gioia D, **Cotella D**, Gaudino G, Prat M, Santoro C (1999). Isolation and characterisation of scFv against intracellular domains of tyrosine-kinase receptors. *Associazione Italiana di Biologia e Genetica (AIBG) congress, Palermo (Italy), Oct. 7-10.*

*Orario di Ricevimento*

*Lunedì - Venerdì ore 9.00-18.00*

*Dipartimento Scienze Mediche, via Solaroli 17 –  
28100 Novara*

*Previo contatto telefonico o via email*