

# **OPEN CALL**



**Abstract Selection  
Committee  
Member-  
Basic Science  
2015-2018**



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## APPLICATION FORM

for Abstract Selection Committee Member (representing Basic Science) of the European  
 Pancreatic Club (EPC)

1	<b>Personal data</b>	Name: Sabrina Sonda Username ( <a href="http://www.e-p-c.org">www.e-p-c.org</a> ): ssonda Country: Switzerland National Society: Deutscher Pankreasclub
2	<b>Membership</b>	List of years when the applicant was member of EPC: 2011-2014  List of years when the applicant attended the annual EPC meeting: 2011-2014  List of years when the applicant submitted (as first or last author) an abstract(s) for the annual EPC meeting: 2011-2013
3	<b>Publications</b>	List of the best 5 original/review papers in international journals (* corresponding author):  1. Zuellig RA, Hornemann T, Othman A, Hehl AB, Bode H, Güntert T, Ogunshola OO, Saponara E, Grabliauskaite K, Jang JH, Ungethuem U, Wei Y, von Eckardstein A, Graf R, <b>Sonda S*</b> . Deoxysphingolipids, a novel biomarker for type 2 diabetes, are cytotoxic for insulin-producing cells. 2014. <i>Diabetes</i> . 63:1326-39.  2. <b>Sonda S*</b> , Silva AB, Grabliauskaite K, Saponara E, Weber A, Jang J., Zuellig RA, Bain M, Graf T, Hehl AB, Graf R. Serotonin regulates amylase secretion in acinar cells and modulates the inflammatory response during murine pancreatitis. 2012. <i>Gut</i> . 62:890-8.  3. Štefanić S, Spycher C, Morf L, Fabrias G, Casas J, Schraner E, Wild P, Hehl AB, <b>Sonda S*</b> Glucosylceramide synthesis inhibition affects cell cycle progression, membrane trafficking and stage differentiation in <i>Giardia lamblia</i> . 2010. <i>J Lipid Res</i> . 51:2527-45.  4. <b>Sonda S*</b> , Morf L, Bottova I, Baetschmann H, Rehrauer H, Caflisch A, Hakimi MA, Hehl AB. Epigenetic mechanisms regulate stage differentiation in the minimized protozoan <i>Giardia lamblia</i> . 2010. <i>Mol. Microbiol</i> . 76: 48:67.  5. Bottova I, Hehl AB, Štefanić S, Fabriàs G, Casas J, Schraner E, Pieters J, <b>Sonda S*</b> Host cell P-glycoprotein is essential for cholesterol uptake and replication of

		<i>Toxoplasma gondii</i> . 2009. <i>J. Biol.Chem.</i> 284: 17438-48.
4	<b>Previous positions at EPC or UEG</b>	None

The applicant confirms that she/he

- has read the Open call for Abstract Selection Committee Member (Basic Science) position and fully accept its content
- has adequate time resources for volunteer work
- has good command of spoken and written English

Name

Date

Sabrina Sonda, PhD

Zurich, 29 April 2014



**Sabrina Sonda Ph.D.**Business address

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**Nationality:** Italian  
**Date and place of birth:** 22-5-1972, Treviso, Italy  
**Marital status:** Married, mother of one child (born in 2004)  
**Languages:** Italian (mother tongue), English and French (both fluent), German (basic)

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**INDEPENDENT RESEARCH**

**2010-present.** Oberassistent. University Hospital Zurich, Switzerland. Laboratory of Prof. R. Graf.  
**2004-2010.** Group leader. University of Zurich, Switzerland. Laboratory of Prof. A.B. Hehl.  
**2003-2004.** Project leader. Biozentrum, University of Basel, Switzerland. Laboratory of Prof. J. Pieters.

**POSTDOCTORAL RESEARCH**

**2002-2003.** Post doctoral fellow. Biozentrum, University of Basel, Switzerland. Advisor: Prof. H. Riezman.  
**2000-2001.** Post doctoral fellow. University of California, San Francisco, USA. Advisor: Prof. J. Ernst.

**EDUCATION**

**1997-2000.** Ph.D. University of Bern, Switzerland. Advisor: Prof. A. Hemphill.  
**1996-1997.** Studentship. International Center for Genetic Engineering and Biotechnology (ICGEB). Trieste, Italy. Advisor: Prof. C. Bruschi.  
**1996.** Cellular biology degree, Faculty of Mathematics, Physics and Natural Sciences, University of Trieste, Italy. Advisors: Profs. R. Marzari and A. Bradury. The experimental thesis was awarded the Marzullo prize from University of Trieste, Italy.

**INTERNATIONAL ACTIVITIES****Peer-reviewing for the following journals:**

PLoS One  
Molecular Biology of the Cell  
Cellular Microbiology  
Journal of Bacteriology  
FEMS Microbiology Letters  
International Journal of Parasitology

**Memberships of professional organizations:**

European Pancreatic Club  
 International Sphingolipid Club  
 Swiss Society for Biochemistry

**TEACHING EXPERIENCE**

**Since 2012.** Faculty of Medicine, University of Zurich, Switzerland. i) Human Biology II. ii) Mantelstudium: Praktikum im Biomedizinischen Forschungslabor.

**Since 2011.** Faculty of Science, University of Zurich, Switzerland. Molecular Medicine BCH 305. Faculty of Medicine, University of Zurich, Switzerland: POL-Tutoring in molecular and cellular biology for medical students.

**2005-2009.** Vetsuisse Faculty, University of Zurich, Switzerland. Organization, coordination and teaching of major parts of the experimental parasitology course. BIO295.

**2002-2004.** Biozentrum, University of Basel, Switzerland. Organization, coordination and teaching of the biochemistry laboratory course for undergraduate students.

**PhD supervision:**

**2010-present.** Project definition and supervision of four doctoral students (Zurich PhD Program in Integrative Molecular Medicine).

**2007-2010.** Project definition and supervision of two doctoral students (Zurich PhD Program in Microbiology and Immunology).

**FUNDING OBTAINED**

**2013.** Swiss National Foundation. Co-applicant with Prof. R. Graf

**2013.** Krebsliga Zurich. Co-applicant with Prof. R. Graf

**2012.** Gebert Rűf Foundation. Co-applicant with Prof. R. Graf

**2011.** ZIHP cooperative project grant. Main applicant: Dr. T. Hornemann

**2006, 2008.** Swiss National Foundation, Program Marie Heim-Vögtlin

**2003, 2005.** Fondation Mercier pour la Science

**2003.** Novartis Foundation

**2003.** Roche Foundation

**LIST OF PUBLICATIONS (\* corresponding author)****First/last authorship:**

1. Zuellig RA, Hornemann T, Othman A, Hehl AB, Bode H, Güntert T, Ogunshola OO, Saponara E, Grabliauskaite K, Jang JH, Ungethuem U, Wei Y, von Eckardstein A, Graf R, **Sonda S\***. Deoxysphingolipids, a novel biomarker for type 2 diabetes, are cytotoxic for insulin-producing cells. 2014. *Diabetes*. 63:1326-39
2. **Sonda S\***, Silva AB, Grabliauskaite K, Saponara E, Weber A, Jang J., Züllig RA, Bain M, Graf T, Hehl AB, Graf R. Serotonin regulates amylase secretion in acinar cells and modulates the inflammatory response during murine pancreatitis. 2012. *Gut*. 62:890-8.
3. Štefanić S, Spycher C, Morf L, Fabrias G, Casas J, Schraner E, Wild P, Hehl AB, **Sonda S.\*** Glucosylceramide synthesis inhibition affects cell cycle progression, membrane trafficking and stage differentiation in *Giardia lamblia*. 2010. *J Lipid Res*. 51:2527-45.

4. **Sonda S\***, Morf L, Bottova I, Baetschmann H, Rehrauer H, Caflisch A, Hakimi MA, Hehl AB. Epigenetic mechanisms regulate stage differentiation in the minimized protozoan *Giardia lamblia*. 2010. *Mol. Microbiol.* 76: 48:67.
5. Bottova I, Sauder U, Olivieri V, Hehl AB, **Sonda S\*** The P-glycoprotein inhibitor GF120918 modulates Ca<sup>2+</sup>-dependent processes and lipid metabolism in *Toxoplasma gondii*. 2010. *Plos One.* 5: e10062
6. Bottova I, Hehl AB, Štefanić S, Fabriàs G, Casas J, Schraner E, Pieters J, **Sonda S.\*** Host cell P-glycoprotein is essential for cholesterol uptake and replication of *Toxoplasma gondii*. 2009. *J. Biol.Chem.* 284: 17438-48.
7. **Sonda S\***, Štefanić S, Hehl AB. A sphingolipid inhibitor induces a cytokinesis arrest and blocks stage differentiation in *Giardia lamblia*. 2007. *Antimicrob Agents Chemother.* 52: 563-9.
8. **Sonda S\***, Sala G, Ghidoni R, Hemphill A, Pieters J. Inhibitory effect of aureobasidin A on *Toxoplasma gondii*. 2005. *Antimicrob Agents Chemother.* 49: 1794-801.
9. **Sonda S**, Ting LM, Novak S, Farese RV, Ernst J. Cholesterol esterification by host and parasite is essential for optimal proliferation of *Toxoplasma gondii*. 2001. *J. Biol.Chem.* 276: 34434-40
10. **Sonda S**, Fuchs N, Gottstein B, Hemphill A. Molecular characterization of a novel microneme antigen in *Neospora caninum*. 2000. *Mol Biochem Parasitol.* 108: 39-51.
11. **Sonda S**, Fuchs N, Gottstein B, Hemphill A. The major *Neospora caninum* tachyzoite protein Nc-p36 is closely related to the major *Toxoplasma gondii* surface antigen p30 (SAG1). 1998. *Mol Biochem Parasitol.* 97: 97-108.

#### Co-authorship:

12. Romano JD, **Sonda S**, Bergbower E, Smith ME, Coppens I. *Toxoplasma gondii* salvages sphingolipids from the host Golgi through the rerouting of selected Rab vesicles to the parasitophorous vacuole. 2013. *Mol Biol Cell.* 24:1974-95.
13. Pratt S, Wansadhipathi-Kannangara NK, Bruce CR, Mina JG, Shams-Eldin H, Casas J, Hanada K, Schwarz RT, **Sonda S**, Denny PW. Sphingolipid synthesis and scavenging in the intracellular apicomplexan parasite, *Toxoplasma gondii*. 2013. *Mol Biochem Parasitol.* 187:43-51.
14. Lige B, Romano JD, Sampels V, **Sonda S**, Joiner KA, Coppens I. Introduction of caveolae structural proteins into the protozoan *Toxoplasma* results in the formation of heterologous caveolae but not caveolar endocytosis. 2012. *PLoS One.* 7:e51773.
15. Wild P, de Oliveira AP, **Sonda S**, Schraner EM, Ackermann M, Tobler K. The herpes simplex virus 1 U(S)3 regulates phospholipid synthesis. 2012. *Virology.* 432:353-60.
16. Sutter E, de Oliveira AP, Tobler K, Schraner E, **Sonda S**, Kaech A, Lucas M, Ackermann M, Wild P. Herpes Simplex Virus 1 Induces *de novo* Phospholipid Synthesis. 2012. *Virology.* 429:124-35.
17. Silva A, Weber A, Bain M, Reding T, Heikenwalder M, **Sonda S**, Graf R. COX-2 is not required for the development of murine chronic pancreatitis. 2011. *Am J Physiol Gastrointest Liver Physiol.* 300:G968-75.
18. Štefanić S, Morf L, Kulangara C, Regös A, **Sonda S**, Schraner E, Spycher C, Wild P, Hehl A.B. Neogenesis and maturation of transient Golgi-like cisternae in a simple eukaryote. 2009. *J. Cell Sci.* 122: 2846-56.
19. Naguleswaran A, Alaeddine F, Guionaud C, Vonlaufen N, **Sonda S**, Jenoe P, Mevissen M, Hemphill A. *Neospora caninum* protein disulfide isomerase is involved in tachyzoite-host cell interaction. 2005. *Int J Parasitol.* 35: 1459-72.

20. Wei S, Marches F, Daniels B, **Sonda S**, Heidenreich K, Curiel T. Pyridinylimidazole p38 MAP kinase inhibitor drugs inhibit intracellular *Toxoplasma gondii* replication. 2002. *Int J Parasitol.* 32: 969-977
21. Fuchs N, **Sonda S**, Gottstein B, Hemphill A. Differential expression of cell surface- and dense granule-associated *Neospora caninum* proteins in tachyzoites and bradyzoites. 1998. *J Parasitol.* 84: 753-758.
22. Hemphill A, Gajendran N, **Sonda S**, Fuchs N, Gottstein B, Hentrich B, Jenkins M. Identification and characterization of dense granule-associated protein in *Neospora caninum* tachyzoites. 1998. *Int J Parasitol.* 28: 429-438.
23. Hemphill A, Fuchs N, **Sonda S**, Gottstein B, Hentrich B. Identification and partial characterization of a 36 kDa surface protein on *Neospora caninum* tachyzoites. 1997. *Parasitol.* 115: 371-380.
24. Tosato V, Albertini AM, Zotti M, **Sonda S**, Bruschi CV. Sequence completion, identification and definition of the fengycin operon in *Bacillus subtilis* 168. 1997. *Microbiol.* 143: 3443-3450.

**Reviews:**

25. **Sonda S\***, Hehl AB. Lipid biology of Apicomplexa: perspectives for new drug targets, particularly for *Toxoplasma gondii*. 2006. *Trends Parasitol.* 22: 41-7. Review.
26. Hemphill A, Fuchs N, **Sonda S**, Hehl AB. The antigenic composition of *Neospora caninum*. 1999. *Int J Parasitol.* 29(8):1175-88. Review.