

## BIOGRAPHICAL SKETCH

|   |                                      |         |                |
|---|--------------------------------------|---------|----------------|
| NAME<br>Kittel, Ágnes   | POSITION TITLE<br>Scientific Advisor |         |                |
| eRA COMMONS USER NAME<br>kittel   |                                      |         |                |
| EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i> |                                      |         |                |
| INSTITUTION AND LOCATION  | DEGREE<br><i>(if applicable)</i>     | YEAR(s) | FIELD OF STUDY |
| Eötvös Loránd University, Budapest, Hungary   | MS                                   | 1981    | Chemistry      |
| Eötvös Loránd University, Budapest, Hungary   | DUniv                                | 1988    | Biochemistry   |
| Hungarian Academy of Sciences, Budapest, Hungary  | PhD                                  | 1996    | Biology        |
| Hungarian Academy of Sciences, Budapest, Hungary  | DSc                                  | 2006    | Cell biology   |

### A. Positions and Honors.

#### Positions and Employment

- 1981-1983 Assistant Research Fellow, 2<sup>nd</sup> Institute of Chemistry-Biochemistry, Semmelweis Medical University, Budapest, Hungary  
*CHILD-CARE, OUT of SCIENTIFIC WORK*
- 1988-1989 Assistant research fellow, Institute of Experimental Medicine, Hungarian Academy of Sciences, (IEM HAS) Budapest, Hungary  
*CHILD-CARE, OUT of SCIENTIFIC WORK*
- 1992-1995** Associate research fellow, IEM HAS Budapest, Hungary
- 1993: Visiting scientist for the J. W. Goethe Universität, Zoologische Institute, Frankfurt, Germany
- 1995: Visiting scientist for the H.S.Raffaele Scientific Institute, Milan, Italy
- 1995-1996: Visiting scientist for the Dept. of Neurosciences, UCSD, San Diego, US
- 1996-2006** Senior research fellow, IEM HAS, Budapest, Hungary
- 1998: Visiting scientist for the Rega Institute, Leuven, Belgium  
Visiting scientist for the Harvard Medical School - Beth Israel Deaconess Medical Center, Boston, USA
- 1999: Visiting scientist for the LUC, Diepenbeek, Belgium
- 2000: Visiting scientist for the IMIM, Barcelona, Spain  
Visiting scientist for the Weizmann Institute of Science, Rehovot, Israel  
Visiting scientist for the School of Biological Sciences, Univ. Manchester
- 2001: Visiting professor for the Harvard Medical School - BIDMC, Boston, USA
- 2002: Visiting scientist for the LAVAL University, Quebec, Canada
- 2005: Visiting scientist for the Nathan Kline Institute, Orangeburg, USA
- 2007-present** Scientific advisor, IEM HAS, Budapest, Hungary
- 2008: Visiting scientist for the Department of Pharmacological Sciences, University of Milan
- 2010: Visiting scientist for the Department of Pharmacological Sciences, University of Milan

#### Other Experience and Professional Memberships

- 1981-1983 Lecturer, 2nd Institute of Biochemistry, Semmelweis University Medical School, Budapest, Hungary
- 1999 Member of the organizing committee of 2nd International Workshop on Ecto-ATPases". June 14-18, Diepenbeek, Belgium
- 2001 Faculty member of the "The Advanced School of Neurochemistry 5<sup>th</sup> Biennial Course, August 22-26, Buenos Aires, Argentina
- 2002-present secretary of Hungarian Society for Microscopy
- 2004 Faculty member of the "The Advanced School of Neurochemistry 6<sup>th</sup> Biennial Course", May 10-13, Avignon, France

|              |   |
|--------------|---|
| 2004-2005    | Member of the organizing committee of MCM 2005, Portoroz, Slovenia                      |
| 2008-2009    | Member of the organizing committee of MC 2009, Graz, Austria                            |
| 2008-2011    | Member of Committee on Cellular Biology and Phylogenesis, HAS                           |
| 2010-2011    | Member of the scientific committee of MC 2011, Urbino, Italy                            |
| 2011-2012    | Member of the scientific committee of European Microscopy Congress 2012, Manchester, UK |
| 2012-2013    | Member of the scientific committee of MC 2013, Regensburg, Germany                      |
| 2010-present | President of Hungarian Electron Microscopy Foundation                                   |
| 2012-present | Editorial Board member of Applied Cell Biology, Trade Science Ins, Indian S. Press      |

### Honors

- 1995: Eötvös Hungarian State Fellowship  
 1998: Soros Short Term Fellowship  
 2000: Award of the Hungarian Electron Microscopy Foundation  
 2000: FEBS Short Term Fellowship  
 2002: 2<sup>nd</sup> Prize of Hungarian Research Fund and "Life and Science" journal

## **B. Research Support**

### Ongoing Research Support

NK84043 2/01/11-1/31/15  
 Hungarian National Research Foundation  
 Studies of the immunological role of postsynthetic protein and lipid modifications  
 Role: Co-PI

### Completed Research Support

Hungarian Research Foundation 1/01/01-12/31/03  
 Physiological and pathophysiological role of ATP and ATPases in the salivary gland and the pancreas  
 Role: PI

Hungarian Medical Research Council 1/01/01-12/31/04  
 Physiological and pathophysiological role of ATP and ATPases in the functioning of the pancreas and gl. parotis  
 Role: PI

Hungarian Medical Research Council 1/01/03-12/31/05  
 Effects of LPS treatment on the expression of NTPDase1, IL-1beta and purinoceptors in rat hippocampus  
 Role: PI

## **C. Bibliography (full papers, in chronological order).**

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- [2] Csillag, A. Kittel, M. Kálmán (1986): Differential responses of synaptosomal cation movements and respiration to the convulsants penicillin, pentylene-tetrazol and 3-aminopyridine. *67. /2/ 223-232.*
- [3] Á. Kittel, E. Bácsy (1994): Ecto-ATPases and 5'-nucleotidases in the caveolae of smooth muscle. Enzyme-histochemical evidence may indicate a role for caveolae in neurotransmission. *Cell Biol. Internat.* 18 875-879.
- [4] Á. Kittel (1994): Distribution of Ca-ATPases in the medial habenula in the mouse. *Scanning Microscopy Internat.* 8, 337-343.
- [5] Á. Kittel, E. Bácsy (1994): Presynaptic ecto- and postsynaptic endo- Ca-adenosine-triphosphatases in synaptosomes. *Int J Devel Neurosci* 12 (3) 207-211.
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- [7] L. Kiss, A. Kittel (1995): Early endocytotic step in elicited macrophages:  $\cup$  shaped plasma membrane vesicles at the cell surface. *Cell Biol. Internat.* 19 (6) 527-538.
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- [9] K. Nitahara, A. Kittel, S.D. Liang, E.S. Vizi (1995): A1-receptor-mediated effect of adenosine on the release of acetylcholine from the myenteric plexus: role and localization of ecto-ATPase and 5'-nucleotidase. *Neuroscience* 67 159-168.
- [10] Sperlagh, A. Kittel, A. Lajtha, E.S. Vizi (1995): ATP acts as fast neurotransmitter in rat habenula: neurochemical and enzyme cytochemical evidence. *Neuroscience* 66 915-920.
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- [14] N. Komori, A. Kittel, D. Kang, D. Shackelford, E. Masliah, A. Zivin and T. Saitoh (1997): Reversible ischemia increases levels of Alzheimer amyloid protein precursor without increasing levels of mRNA in the rabbit spinal cord. *Mol. Brain Res.* 49 103-112
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