

## Curriculum Vitae:

**Nikolaus Thuille**

### Personal Data

Date of Birth: September 30<sup>th</sup>, 1975  
Place of Birth: Meran, South Tyrol, Italy  
Civil status: married, two children  
Nationality: Italian  
Business Address: Department of Medical Genetics, Molecular and Clinical Pharmacology,  
Division of Cell Genetics, Medical University of Innsbruck, Peter  
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### Relevant Career History

1994 Matura, Academic Gymnasium Meran (humanistic branch), Italy  
1994 – 2000 Undergraduate studies of Biology/Microbiology, University of  
Innsbruck, Austria  
2000 Master Degree  
2000 – 2001 Research associate at the Institute of Hygiene and Social Medicine,  
University of Innsbruck. Topic: „Antimicrobial activity of herbal extracts  
against *Helicobacter pylori* and other human pathogens“  
2001 – 2004 Ph.D. thesis, Institute for Medical Biology and Human Genetics,  
Medical University of Innsbruck. (G. Baier, mentor)  
2004 Graduation as "Dr. rer. nat."  
since 2005 Senior Postdoc/Research Associate in the laboratory of Prof. Dr.  
Gottfried Baier at the Department of Medical Genetics, Molecular and  
Clinical Pharmacology, Division of Translational Cell Genetics.

### Research Grants and Awards:

2006 Sanofi/Aventis Preis **5000 €**  
12/2006 – 11/2008 Forschungsförderung der Medizinischen Universität Innsbruck (MFI)  
**125.952 €**

## **Publications from Thuille N:**

### **Scientific publications from the last five years:**

Siegmund K, Thuille N, Wachowicz K, Hermann-Kleiter N, Baier G. Protein kinase C theta is dispensable for suppression mediated by CD25+CD4+ regulatory T cells. **PLoS One**. 2017 May 22;12(5).

Pfeifhofer-Obermair C, Albrecht-Schgoer K, Peer S, Nairz M, Siegmund K, Klepsch V, Haschka D, Thuille N, Hermann-Kleiter N, Gruber T, Weiss G, Baier G. Role of PKCtheta in macrophage-mediated immune response to Salmonella typhimurium infection in mice. **Cell Commun Signal**. 2016 Jul 28;14(1):14.

Siegmund K, Thuille N\*, Posch N, Fresser F, Baier G. Novel protein kinase C  $\theta$ : coronin 1A complex in T lymphocytes. **Cell Commun Signal**. 2015 Mar 31;13:22. \* Co-first authorship

Wachowicz K, Hermann-Kleiter N, Meisel M, Siegmund K, Thuille N, Baier G. Protein Kinase C  $\theta$  Regulates the Phenotype of Murine CD4+ TH17 Cells. **PLoS One**. 2014 May 2;9(5).

Thauerer B, Voegelé P, Hermann-Kleiter N, Thuille N, de Araujo ME, Offterdinger M, Baier G, Huber LA, Baier-Bitterlich G. LAMTOR2-Mediated Modulation of NGF/MAPK Activation Kinetics during Differentiation of PC12 Cells. **PLoS One**. 2014 Apr 21;9(4).

Lutz-Nicoladoni C, Thuille N\*, Wachowicz K, Gruber T, Leitges M, Baier G. PKC $\alpha$  and PKC $\beta$  cooperate functionally in CD3-induced de novo IL-2 mRNA transcription. **Immunol Lett**. 2013 Mar;151(1-2):31-8. \* Co-first authorship

Thuille N, Wachowicz K, Hermann-Kleiter N, Kaminski S, Fresser F, Lutz-Nicoladoni C, Leitges M, Thome M, Massoumi R, Baier G. PKC $\theta/\beta$  and CYLD Are Antagonistic Partners in the NF- $\kappa$ B and NFAT Transactivation Pathways in Primary Mouse CD3+ T Lymphocytes. **PLoS One** 2013 Jan 16.

Pfeifhofer-Obermair C, Thuille N, Baier G. Involvement of distinct PKC gene products in T cell functions. **Front Immunol**. 2012;3:220. Epub 2012 Aug 6.

Hermann-Kleiter N, Meisel M, Fresser F, Thuille N, Müller M, Roth L, Katopodis A, Baier G. Nuclear orphan receptor NR2F6 directly antagonizes NFAT and ROR $\gamma$ t binding to the IL17a promoter. **J Autoimmun**. 2012 Aug 23.

Tischner D, Gaggl I, Peschel I, Kaufmann M, Tuzlak S, Drach M, Thuille N, Villunger A, Jan Wieggers G. Defective cell death signalling along the Bcl-2 regulated apoptosis pathway compromises Treg cell development and limits their functionality in mice. **J Autoimmun**. 2012 Jan 16. PMID: 22257939.

**List of the 10 most important publications of the career to date:**

Hermann-Kleiter N, Meisel M, Fresser F, Thuille N, Müller M, Roth L, Katopodis A, Baier G. Nuclear orphan receptor NR2F6 directly antagonizes NFAT and ROR $\gamma$ t binding to the Il17a promoter. **J Autoimmun.** 2012 Aug 23.

Tischner D, Gaggl I, Peschel I, Kaufmann M, Tuzlak S, Drach M, Thuille N, Villunger A, Jan Wieggers G. Defective cell death signalling along the Bcl-2 regulated apoptosis pathway compromises Treg cell development and limits their functionality in mice. **J Autoimmun.** 2012 Jan 16. PMID: 22257939.

Kaminski S, Hermann-Kleiter N, Meisel M, Thuille N, Cronin S, Hara H, Fresser F, Penninger JM, Baier G. Coronin 1A is an essential regulator of the TGF $\beta$  receptor/SMAD3 signalling pathway in TH17 CD4(+) T cells. **J Autoimmun.** 2011 Jun 22. PMID: 21700422

Evenou JP, Wagner J, Zenke G, Brinkmann V, Wagner K, Kovarik J, Welzenbach KA, Weitz-Schmidt G, Guntermann C, Towbin H, Cottens S, Kaminski S, Letschka T, Lutz-Nicoladoni C, Gruber T, Hermann-Kleiter N, Thuille N, Baier G. The potent protein kinase C-selective inhibitor AEB071 (sotrastaurin) represents a new class of immunosuppressive agents affecting early T-cell activation. **J Pharmacol Exp Ther.** 2009 Sep;330(3):792-801.

Hermann-Kleiter N, Gruber T, Lutz-Nicoladoni C, Thuille N, Fresser F, Labi V, Schiefermaier N, Warnecke M, Huber L, Villunger A, Eichele G, Kaminski S, Baier G. The nuclear orphan receptor NR2F6 suppresses lymphocyte activation and autoimmunity. **Immunity.** 2008 Aug 15;29(2):205-16.PMID: 18701084

Pfeifhofer C, Gruber T, Letschka T, Thuille N, Lutz-Nicoladoni C, Hermann-Kleiter N, Braun U, Leitges M, Baier G. Defective IgG2a/2b class switching in PKC $\alpha$ <sup>-/-</sup> mice. **J Immunol.** 2006 May 15;176(10):6004-11. PMID: 16670309

Gruber T, Freeley M, Thuille N, Heit I, Shaw S, Long A, Baier G. Comment on "PDK1 nucleates T cell receptor-induced signalling complex for NF- $\kappa$ B activation". **Science** 2006 Apr 7;312(5770):55. PMID: 16601177

Hermann-Kleiter N, Thuille N, Pfeifhofer C, Gruber T, Schafer M, Zitt C, Hatzelmann A, Schudt C, Leitges M, Baier G. PKC $\theta$  and PKA are antagonistic partners in the NFAT transactivation pathway of primary mouse CD3<sup>+</sup> T lymphocytes. **Blood** 2006 Jun 15;107(12):4841-8. Epub 2006 Mar 2. PMID: 16514061

Thuille N, Heit I, Fresser F, Krumbock N, Bauer B, Leuthaeusser S, Dammeier S, Graham , Copeland TD, Shaw S, Baier G. Critical role of Thr-219 autophosphorylation for the cellular function of PKC $\theta$  in T lymphocytes. **EMBO J.** 2005 Nov 16;24(22):3869-80. Epub 2005 Oct 27. PMID: 16252004