Curriculum vitae

Date, Place of birth	21. 2. 1968, Kamen, Germany
Full name(s)	François Dominique Paquet-Durand
Nationality	French
Private Address	Waldhausen 12, 72076 Tübingen, Germany
Private Phone	++49 (0) 162 238 32 55
Work Phone	++49 (0) 7071 29 87430
e-mail	francois.paquet-durand@klinikum.uni-tuebingen.de

1974 – 1988 Primary and secondary school in Germany and Paraguay, completed secondary school at "Gymnasium Wolbeck" in Münster/Westf. (Germany) in June 1988.

1988 – 1989 Military service in the French army.

1989 – 1998 Biochemistry studies at Hannover University (Germany), INSERM laboratories in Paris (France), studies of tropical and marine biology at Universidad Nacional Autónoma in Heredia (Costa Rica).

June 1998: Completed biochemistry studies with the master (Diploma) thesis on: „Effects of Salt Stress on enzyme activities in Zea mays"

1998 – 2003 PhD studies at Hannover University and School of Veterinary Medicine (Germany).

November 2003: Completed doctoral thesis on „The human NT-2 cell line as *in vitro* model system for the excitotoxic cascade during stroke"

2003 – 2004 Post-doctoral position at School of Veterinary Medicine in Hannover.

2004 – 2007 Post-doctoral position (Marie Curie stipend) in the Ophthalmology department of Lund University (Sweden).

2007 – 2009 Post-doctoral position in the Institute for Ophthalmic Research, University-Eye Clinic Tübingen (Germany); research visits (up to 6 weeks) to the Ophthalmology Department of Lund University (Sweden).

2009 – present Lecturer (Dozent) at the Tübingen University graduate school for cellular and molecular neurosciences (www.neuroschool-tuebingen-molec.de).

2010 – present Junior research group leader, Cell Death Mechanisms Group, Institute for Ophthalmic Research, Tübingen.

Languages: French, German, Spanish, and English; fluent written and spoken.
Basic knowledge of Swedish.

Publications: 21 peer reviewed publications, 4 additional publications, 17 oral presentations at national and international meetings and seminars, over 35 poster presentations.

I. Publications in peer-reviewed, international journals

To date, I have authored 21 publications in international, peer-reviewed journals. In 10 of these papers I was first author, in three I was last author, and, in addition, I was corresponding author in three (#6, #7, #16) more publications.

No.	Authors and title	Year	J., quot.	IF*/cit.
1.	**Paquet-Durand F**, Tan S, Bicker G: Turning teratocarcinoma cells into neurons: rapid differentiation of NT-2 cells in floating spheres.	2003	Dev Brain Res 142, 161-167	1.91/25
2.	**Paquet-Durand F**, Bicker G: Hypoxic/ischaemic cell damage in cultured human NT-2 neurons	2004	Brain Res, 1011, 33-47	2.46/15
3.	**Paquet-Durand F**, Gierse A, Bicker G: Diltiazem protects human NT-2 neurons against excitotoxic damage in a model of simulated ischaemia.	2006	Brain Res, 1124, 45-54	2.46/8
4.	Hauck SM, Ekström PA, Ahuja-Jensen P, Suppmann S, **Paquet-Durand F**, van Veen T, Ueffing M: Differential modification of phosducin protein in degenerating rd1 retina is associated with constitutively active CaMKII in rod outer segments.	2006	Mol Cell Proteomics, 5, 324-336	8.79/26
5.	**Paquet-Durand F**, Azadi S, Hauck S M, Ueffing M, van Veen T, Ekström P: Calpain is activated in degenerating photoreceptors in the *rd1* mouse.	2006	J Neurochem 96, 802-814	3.99/41
6.	Azadi S, **Paquet-Durand F**, Medstrand P, van Veen T, Ekström P: Up-regulation and increased phosphorylation of protein kinase C (PKC) δ, μ and θ in the degenerating rd1 mouse retina.	2006	Mol Cell Neurosci 31, 759-773	3.56/12
7.	Azadi S, Johnson L, **Paquet-Durand F**, Perez MT, Zhang Y, van Veen T, Ekström P: CNTF + BDNF treatment and neuroprotective pathways in the *rd1* mouse retina.	2007	Brain Res 1129, 116-129	2.46/22
8.	**Paquet-Durand F,** Johnson L, Ekström P: Calpain activity in retinal degeneration.	2007	J Neurosci Res 85, 693-702	2.98/24
9.	**Paquet-Durand F**, Bicker G: Human model neurons in studies of brain cell damage and neural repair.	2007	Curr Mol Med 7, 541-554	5.09/7
10.	**Paquet-Durand F**, Silva J, Talukdar T, Johnson L, Azadi S, Hauck S, Ueffing M, van Veen T, Ekström P: Excessive activation of poly (ADP-ribose) polymerase (PARP) contributes to inherited photoreceptor degeneration in the *rd1* mouse.	2007	J Neurosci 27, 10311-10319	7.17/20
11.	Sancho-Pelluz J, Arango-Gonzalez B, Kustermann S, Romero FJ, van Veen T, Zrenner E, Ekström P, **Paquet-Durand F**: Photoreceptor cell death mechanisms in inherited retinal degeneration.	2008	Mol Neurobiol, 38:253-69	4.73/27
12.	Podrygajlo G, Tegenge MA, Gierse A, **Paquet-Durand F**, Tan S, Bicker G, Stern M: Cellular phenotypes of human model neurons (NT2) after differentiation in aggregate culture.	2009	Cell Tissue Res, 336:439-452	2.30/9
13.	**Paquet-Durand F**, Hauck SM, van Veen T, Ueffing M, Ekström P: PKG activity causes photoreceptor cell death in two Retinitis Pigmentosa models	2009	J Neurochem, 108:796-810	3.99/10
14.	Bujakowska K, Maubaret C, Chakarova CF, Tanimoto N, Beck SC, Fahl E, Humphries MM, Kenna PF, Makarov E, Makarova O, **Paquet-Durand F**, Ekström PA, van Veen T, Leveillard T, Humphries P, Seeliger MW, Bhattacharya SS: Study of gene targeted mouse models of splicing factor gene Prpf31 implicated in human autosomal dominant retinitis pigmentosa (RP).	2009	Invest Ophth Vis Sci, 50:5927-33	3.43/6
15.	Huber G, Beck SC, Grimm C, Sahaboglu-Tekgöz A, **Paquet-Durand F**, Wenzel A, Seeliger MW, Fischer D: Spectral Domain Optical Coherence Tomography in Mouse Models of Retinal Degeneration	2009	Invest Ophth Vis Sci, 50:5888-95	3.43/12

16.	Sancho-Pelluz J, Alavi MV, Sahaboglu A, Kustermann S, Farinelli P, Azadi S, van Veen T, Romero FJ, **Paquet-Durand F**, Ekström P: Excessive HDAC activation is critical for neurodegeneration in the *rd1* mouse	2010	Cell Death Dis, 1: e24	8.23**/2
17.	Trifunović D, Dengler K, Michalakis S, Zrenner E, Wissinger B, **Paquet-Durand F**: cGMP-dependent cone photoreceptor degeneration in the cpfl1 mouse retina	2010	J Comp Neurol, 518:3604-17	3.71/1
18.	Michalakis S, Mühlfriedel R, Tanimoto N, Krishnamoorthy V, Koch S, Fischer MD, Becirovic E, Bai L, Huber G, Beck SC, Fahl E, Büning H, **Paquet-Durand F**, Zong X, Gollisch T, Biel M, Seeliger MW: Restoration of Cone Vision in the CNGA3–/– Mouse Model of Congenital Complete Lack of Cone Photoreceptor Function	2010	Mol Ther, 18:2057-63	6.24/2
19.	**Paquet-Durand F**, Sanges D, McCall J, Silva J, van Veen T, Marigo V, Ekström P: Photoreceptor rescue and toxicity induced by different calpain inhibitors.	2010	J Neurochem, 115:930-40	3.99/1
20.	Sahaboglu A, Tanimoto N, Kaur J, Sancho-Pelluz J, Huber G, Fahl E, Arango-Gonzalez B, Zrenner E, Ekström P, Löwenheim H, Seeliger MW, **Paquet-Durand F**: PARP1 gene knock-out increases resistance to retinal degeneration without affecting retinal function.	2010	PLoS One, 5:e15495	4.32/-
21.	**Paquet-Durand F**, Beck S, Michalakis S, Goldmann T, Huber G, Mühlfriedel R, Trifunovic D, Fischer MD, Fahl E, Duetsch G, Becirovic E, Wolfrum U, van Veen T, Biel M, Tanimoto N, Seeliger MW: A key role for cyclic–nucleotide gated (CNG) channels in cGMP-related retinitis pigmentosa	2011	Hum Mol Gen, 20:941-7	7.38/-

IF Points	**92.62**	**Total citations**	**270**
Average IF*	**4.41**	**Average cit.**	**12.76**
		H-Index	**10**

* Impact factor (IF) based on JCR Science edition 2009 from Thomson Scientific, numbers behind IF indicate total citations received (cit.), data on citations from JCR and Scopus, information retrieved in May 2011.
** IF for Cell Death Dis. not yet available, IF given relates to parent journal Cell Death Diff.

II. Research monographs, chapters in collective volumes

1. Bicker G, **Paquet-Durand F**: Vom Teratocarcinom zum Neuron: Menschliche Nervenzellen in der Petrischale. Forschungsmagazin der Tierärztlichen Hochschule Hannover – Schwerpunkt Neurowissenschaften, Hannover, Germany, ***2002***.
2. Huchzermeyer B, Hausmann N, **Paquet-Durand F**, Koyro HW: Biochemical and physiological mechanisms leading to salt tolerance. Tropical Ecology 45:141-150, ***2004***.
3. Bicker G, Gierse A, Tan S, **Paquet-Durand F**: Simulation of Stroke-related Damage in cultured Human Nerve Cells. ALTEX special issue for 3R Research Foundation, 24:16-18, ***2007***.
4. Sancho-Pelluz J, **Paquet-Durand F**: Calpain and poly-ADP-ribose-polymerase (PARP) in inherited photoreceptor neurodegeneration. *in*: Novel Mechanisms of Neuroprotection, 113-132, *edited by* Romero JF, Research Signpost, Trivandrum, India; ISBN: 978-81-308-0394-4, ***2010***.

III. Oral presentations (Talks)

1. **Paquet-Durand F**, Azadi S, van Veen T, Ekström P: Cell Death and Calpain Activity in Degenerating Retinal Neurons. Zentrum fuer systemische Neurowissenschaften (ZSN), Hannover, Germany, December ***2005***.
2. **Paquet-Durand F**, Azadi S, Hauck S, Ueffing M, van Veen T, Ekström P: Calpain activity and photoreceptor cell death in the *rd1* mouse. Centro de Neurosciencias, Valparaiso, Chile, October ***2006***.

3. **Paquet-Durand F**, Azadi S, Hauck S, Ueffing M, van Veen T, Ekström P: Calpain activity and photoreceptor cell death in the *rd1* mouse. 17th International Congress of Eye Research (ICER), Buenos Aires, Argentina, October ***2006***.
4. **Paquet-Durand F**, McCall J, Sanges D, Azadi S, van Veen T, Marigo V, Ekström P: Mechanisms of calpain dependent cell death in the *rd1* mouse retina. Zentrum fuer systemische Neurowissenschaften (ZSN), Hannover, Germany, December ***2006***.
5. **Paquet-Durand F**, McCall J, Sanges D, Azadi S, van Veen T, Marigo V, Ekström P: Mechanisms of calpain dependent cell death in the *rd1* mouse retina. Institut des Neurosciences Montpellier (INM), Montpellier, France, February ***2007***.
6. **Paquet-Durand F**, McCall J, Sanges D, Azadi S, van Veen T, Marigo V, Ekström P: Mechanisms of calpain dependent cell death in the *rd1* mouse retina. Universitäts Augenklinik Tübingen, Germany, April ***2007***.
7. **Paquet-Durand F**, Silva J, Talukdar T, Johnson L, Azadi S, Hauck S, Ueffing M, van Veen T, Ekström P: Poly-ADP-ribose-polymerase activity contributes to photoreceptor cell death in the *rd1* mouse. Vision Down Under, Cairns, Australia, July ***2007***.
8. **Paquet-Durand F**, Hauck S, Ueffing M, Ekström P, van Veen T: Mechanisms of cGMP mediated Cell Death in Retinal Degeneration. Otolaryngology Department, Tübingen University, Germany, July ***2008***.
9. **Paquet-Durand F**, van Veen T, Ekström P: Cell Death Pathways in *rd1* Retinal Degeneration. Ophthalmology Department, Lund, Sweden, August ***2008***.
10. **Paquet-Durand F**: cGMP-dependent Photoreceptor Cell Death and Neuroprotection. Fundación Oftalmológica del Mediterraneo, Valencia, Spain, November ***2009***.
11. **Paquet-Durand F**: The Role of Histone Deacetylase (HDAC) Activity during Photoreceptor Cell Death. Integrated Cellular Pathology: Death, Danger and Degeneration Meeting, Institut Pasteur, Paris, France, April ***2010***.
12. **Paquet-Durand F**: The Role of Histone Deacetylase (HDAC) Activity during Photoreceptor Cell Death. Tübingen Outer Retina Conference, Tübingen, Germany, August ***2010***.
13. **Paquet-Durand F**: Photoreceptor Neurodegeneration: From Apoptotic to Alternative Cell Death Mechanisms. Naturwissenschaftliches und Medizinisches Institut (NMI), Reutlingen, Germany, March ***2011***.
14. **Paquet-Durand F**: Photoreceptor cell death mechanisms: Apoptosis, Necrosis or what? 9th Meeting of the German Neuroscience Society, Göttingen, Germany, March ***2011***.
15. **Paquet-Durand F**, Beck S, Michalakis S, Goldmann T, Huber G, Mühlfriedel R, Becirovic E, Wolfrum U, Tanimoto N, Seeliger MW: Expression of rod cyclic–nucleotide gated (CNG) channel is critical for *rd1* mouse retinal degeneration. 7th ProRetina Research Colloquium, Potsdam, Germany, April ***2011***.
16. **Paquet-Durand F**: Photoreceptor Neurodegeneration: From Apoptotic to Alternative Cell Death Mechanisms. Forschungszentrum Neurosensorik, Universität Oldenburg, Germany, May ***2011***.
17. **Paquet-Durand F**: Photoreceptor Neurodegeneration and Protection in the Retina: Perspectives for Regeneration? Leopoldina Symposium on Regenerative Medicine, Tübingen, Germany, July ***2011***.

IV. Poster presentations (2010-11)

1. Mencl S, Trifunović D, **Paquet-Durand F**: A cell culture based screening system for the identification of cone neuroprotective compounds. 6th ProRetina Research Colloquium, Potsdam. April ***2010***.
2. **Paquet-Durand F**, Sancho-Pelluz J, Sahaboglu A, Farinelli P, Azadi S, van Veen T, Romero FJ, Ekström P: HDAC activity is causally involved in rd1 mouse photoreceptor cell death. 6th ProRetina Research Colloquium, Potsdam. April ***2010***.

3. Sahaboglu A, van Veen T, **Paquet-Durand F**: Characterization of the retinal phenotype in PARP-1 KO animals. 6th ProRetina Research Colloquium, Potsdam. April ***2010***.

4. **Paquet-Durand F**, Sancho-Pelluz J, Alavi M, Sahaboglu A, Kustermann S, Farinelli P, Azadi S, van Veen T, Romero FJ, Ekström P: Excessive HDAC activity is involved in photoreceptor degeneration. Integrated Cellular Pathology: Death, Danger and Degeneration Meeting, Institut Pasteur, Paris, France, April ***2010***.

5. **Paquet-Durand F**, Sancho-Pelluz J, Sahaboglu A, Farinelli P, Azadi S, van Veen T, Romero FJ, Ekström P: Interplay between HDAC and PARP activity during *rd1* mouse retinal degeneration. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, USA, May ***2010***, *pub. in:* IOVS **51**:4088.

6. Arango-Gonzalez B, Kaur J, Eske G, **Paquet-Durand F**, Zrenner E: Cyclic GMP, PDE6 beta and CREB Regulation in P23H-1 and S334ter-3 Mutant Rhodopsin Transgenic Rats in the Course of Retinal Degeneration. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, USA, May ***2010***, *pub. in:* IOVS **51**:4060.

7. Farinelli P, Arango-Gonzalez B, Kaur J, **Paquet-Durand F**, Ekström P: Increased DNA Methylation in Several Animal Models of Retinitis Pigmentosa. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, USA, May ***2010***, *pub. in:* IOVS **51**:2234.

8. Mencl S, Trifunović D, Kustermann S, **Paquet-Durand F**: Study photoreceptors without retina: Cone-like 661W cells in a neuroprotection screening system. Young researcher vision camp, Castle Wildenstein, Leibertingen, June ***2010***.

9. Arango-Gonzalez B, Mencl S, **Paquet-Durand F**, Kaur J: Activity and expression of calpain in P23H-1 and S334ter-3 mutant rhodopsin transgenic rats. 9th Göttingen Meeting of the German Neuroscience Society, Göttingen, Germany, March ***2011***.

10. Mencl S, Trifunovic D, **Paquet-Durand F**: Screening for cone neuroprotective substances using 661W cells. 9th Göttingen Meeting of the German Neuroscience Society, Göttingen, Germany, March ***2011***.

11. Sahaboglu A, Tanimoto N, Kaur J, Sancho-Pelluz J, Huber G, Fahl E, Arango-Gonzalez B, Zrenner E, Ekström P, Löwenheim H, Seeliger M, **Paquet-Durand F**: Increased resistance to retinal degeneration in PARP1 gene knock-out animals. 9th Göttingen Meeting of the German Neuroscience Society, Göttingen, Germany, March ***2011***.

12. Kaur J, Sahaboglu A, **Paquet-Durand F**, Arango-Gonzalez B: Activity of poly(ADP-Ribose) polymerase (PARP) in P23H-1 and S334TER-3 mutant Rhodopsin transgenic rats. 9th Göttingen Meeting of the German Neuroscience Society, Göttingen, Germany, March ***2011***.

13. Arango-Gonzalez B, **Paquet-Durand F**, Mencl S, Sahaboglu A, Zrenner E, Kaur J: Activity and expression of PARP and calpain in P23H-1 and S334ter-3 mutant rhodopsin transgenic rats. 7th ProRetina Research Colloquium, Potsdam, Germany, April ***2011***.

14. Farinelli P, Arango-Gonzalez B, Kaur J, Zrenner E, **Paquet-Durand F**, Ekström P: Enhanced Detection Of The Anti-Aging Protein α-Klotho In Several Rodent Models Of Retinitis Pigmentosa. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, USA, May ***2011***, *pub. in:* IOVS **52**:1806.

15. **Paquet-Durand F**, Beck S, Michalakis S, Goldmann T, Huber G, Mühlfriedel R, Becirovic E, Wolfrum U, Tanimoto N, Seeliger M: Genetic Ablation Of Rod Cyclic-nucleotide Gated (cng) Channels Rescues *rd1* Mouse Retinal Degeneration And Preserves Cone Photoreceptor Function. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Ft. Lauderdale, USA, May ***2011***, *pub. in:* IOVS **52**:1814.