Curriculum vitae Dorothee Staiger

RNA Biology and Molecular Physiology
Faculty of Biology
Bielefeld University
Universitaetsstrasse 25
D-33615 Bielefeld, Germany

Phone ++49 521 106 5609
Fax ++49 521 106 6410
dorothee.staiger@uni-bielefeld.de
ORCID 0000-0002-1341-1381

Education and appointments

2002 - pres. Full Professor, Chair of RNA Biology and Molecular Physiology, **Bielefeld University**

2000 Habilitation at **ETH Zürich**, *Venia legendi* in Plant Biology

1996 - 2002 Oberassistentin (Group leader) at the Institute for Plant Sciences**, Department of Biology, ETH Zürich**

1990 - 1996 Assistentin (Junior group leader) at the Institute for Plant Sciences, **Department of Biology, ETH Zürich**

1989 - 1990 Postdoc at **Max-Planck-Institute for Plant Breeding Research, Köln**

1985 - 1989 PhD thesis at **Max-Planck-Institute for Plant Breeding Research, Köln**, with Prof. Dr. Jeff Schell

Fellow of the **Fritz Thyssen Foundation**

1984 - 1985 Diploma thesis at the **Max-Planck-Institute for Biochemistry, Martinsried**, with Prof. Dr. Dieter Oesterhelt

1982 – 1983 Rotations at Max-Planck-Institute for Biochemistry, Martinsried (with Profs. Zillig, Thoenen, Oesterhelt, Saenger)

1981 Research stay **Department of Biochemistry, Cambridge University**, Cambridge, UK

1978 - 1984 Studies of Biochemistry at **Eberhard Karls Universität Tübingen**, and of Chemistry at **Ludwig Maximilians Universität München**

Administrative duties

2022 – pres. Member of the Senate of Bielefeld University

2018 - 2020 Dean of Faculty of Biology at Bielefeld University

2018 - 2020 Deputy Speaker of Deans at Bielefeld University

2018 University Quality control commission

2016 - 2018 Vice Dean of Faculty of Biology at Bielefeld University

2016 - 2023 Faculty of Biology Commission for Financial Affairs and Resources

2016 - 2020 Member of the Senate of Bielefeld University

2006 - 2017 President of Commission for Research and Promotion of young scientists at the Faculty of Biology

2004 – 2008 Member of the Senate of Bielefeld University

Professional activities

2021 - pres. Elected member of **DFG senate committee on Collaborative Research Centres** (SFBs); Elected member of **DFG Grants committee on Collaborative Research Centres** (SFBs)

2018 – pres. Deputy speaker of the GBM (German Society for Biochemistry and Molecular Biology) study group “Molecular Biology and Biochemistry of Plants”

2022 Co-Chair Session "Plant RNA Biology” at the “International Conference of the German Society for Plant Sciences”, Bonn

2012 - 2018 Member of Program committee of the DFG Priority Program SPP 1530 “Flowering time control – from models to corps”

1996 – 2002 Member of the committee and treasurer **Swiss Society of Plant Physiology**

1996 – 2002 FESPP representative

2017 – 2019 Member of the Committee Organization of the Conference “Molecular Biology of Plants”, Dabringhausen

2018	Organization of the 31. Conference “Molecular Biology of Plants” Dabringhausen
2009	Session Chair “Photoperiodism and Rhythms in Plants” 15th International Congress on Photobiology, Düsseldorf
2011	Co-organization of workshop „RNA-level gene regulation“ 22nd International Conference on Arabidopsis Research, Madison, USA
2018 - 2019	Mentor for Mentoring Programm Hessen: ProProfessur
2019 – 2020	Mentor TRR 175

Editorial work

Editorial Board Genome Biology

Editorial Board Plants

Associate Editor Frontiers of Plant Genetics and Genomics

Editor Frontiers Research Topic “Recent Advances in Flowering Time Control”

Editor Frontiers Research Topic “Plant RNA Biology”

Editor Methods in Molecular Biology “Plant Circadian Networks” 2014

Editor Methods in Molecular Biology “Plant Circadian Networks” 2nd edition 2022

Editor Plant Biology Special Issue **“**Molecular mechanisms of plant adaptation to changing environments”

Ad hoc reviewer scientific journals

Acta Physiologica Plantarum, BBA, Biologie in unserer Zeit, Biomolecules, BMC Biology, BMC Plant Biology, Briefings in Functional Genomics, Chronobiology International, Cellular and Molecular Life Sciences, Ecology letters, EMBO reports, Euphytica, FEBS Letters, FEMS, Frontiers in Plant Science, Frontiers in Molecular Biosciences, Functional Plant Biology, Genes, Genome Biology, Genome Research, Journal of Biological Chemistry, Journal of Experimental Botany, Journal of Integrative Plant Biology, Journal of Neurochemistry, Journal of Plant Growth Regulation, Journal of Plant Physiology, JOVE, Molecular and General Genetics/Molecular and General Genomics, Molecular Plant, Nature, Nature Communications, Nature Plants, New Phytologist, Nucleic Acids Research, Photochemistry Photobiology, Physiologia Plantarum, Planta, Plant Biology, Plant Biotechnology Journal, Plant Cell,

Plant Cell Environment, Plant Cell Physiology, Plant Cell Reports, Plant Journal, Plant Methods, Plant Molecular Biology, Plant Molecular Biology Reporter, Plant Physiology, Plant Physiology Biochemistry, Plants, Plant Science, Plant Signaling Behaviour, PLoS Biology, PLoS Genetics, PLoS One, PNAS, Protoplasma, RNA Biology, Scientific Report Nature, Seminars in Cell and Developmental Biology, Trends in Plant Science, Wiley Interdisciplinary reviews

Ad hoc reviewer grant agencies

Académie Wallonie-Bruxelles, Alexander von Humboldt Foundation, ANR, Athene Young Investigator Program TU Darmstadt, BBSRC, Binational Science Foundation USA Israel, BMBF, Brussels University ARC, Czech Science Foundation, DAAD, DFG (regular proposals, collaborative research centres, research units, priority programs), EU – ERC Advanced grant, INRA, Israel Science Foundation, Just´US Program Gießen University, Leverhulme trust, Max Planck Society, National Research Foundation Singapore, Nebraska University, Netherlands Genomics Initiative, Netherlands NOW Vidi program, NSF, Poland National Science Foundation, Research Foundation – Flanders (FWO), Research Grants Council of Hong Kong, Schweizerischer Nationalfonds, South Africa National Research Foundation, Studienstiftung des Deutschen Volkes Promotionsauswahlausschuss, United Arab Emirates Universities, US Department of Agriculture, US Department of Energy, Wallenberg Foundation

Publications

Köster T, Venhuizen P, Lewinski M, Petrillo E, Marquez Y, Fuchs A, Ray D, Nimeth B, Riegler S, Franzmeier S, Rodríguez F, Tognacca R, Aballay F, Zheng H, Hughes T, Morris Q, Barta A, Staiger D, Kalyna M (2025)
At-RS31 orchestrates hierarchical cross-regulation of splicing factors and integrates alternative splicing with TOR-ABA pathways.
New Phytologist 274, 738-759

Featured:
https://www.deutsche-botanische-gesellschaft.de/u/79083

https://aktuell.uni-bielefeld.de/2025/05/28/wie-pflanzen-gezielt-ihr-wachstum-steuern/

Zhang J, Shao W, Xu Y, Tian F, Chen J, Wang D, Lin X, He C, Yang X, Staiger D, Ding Y, Yu X, Xiao J (2025)
Unveiling the regulatory role of GRP7 in ABA signal-mediated mRNA translation efficiency regulation.
Nat Commun. **16(1)***, 3947.*

Begger J-H, Steffen A, Staiger D (2025)
Die Chronotypen des Menschen
Wie unsere innere Uhr unser Leben bestimmt
BU praktisch **8**, 1

Reichel M, Tankmar MD, Rennie S, Arribas-Hernández L, Lewinski M, Köster T, Wang N, Millar AA, Staiger D, Brodersen P (2024)
ALBA proteins facilitate cytoplasmic YTHDF-mediated reading of m6A in *Arabidopsis*.
EMBO J. **43**, 6626-6655

M, Brüggemann M, Köster T, Reichel M, Bergelt T, Meyer K, König J, Zarnack K, Staiger D (2024) Mapping protein-RNA binding in plants with plant individual nucleotide resolution UV crosslinking and immunoprecipitation (plant iCLIP2).
Nature protocols, 1-52.

Reichel M, Schmidt O, Rettel M, Stein F, Köster T, Butter F, Staiger D (2024)
Revealing the Arabidopsis *At*GRP7 mRNA binding proteome by specific enhanced RNA interactome capture.
BMC Plant Biology 24, 552.

Agrofoglio YC, Iglesias MJ, Perez-Santángelo S, de Leone MJ, Koester T, Catalá R, Salinas J, Yanovsky MJ, Staiger D, Mateos JL (2024) Antagonistic effects of arginine methylation of LSM4 on alternative splicing during plant stress responses.
The Plant Cell, in press

Xu F, Wang L, Li Y, Shi J, Staiger D, Chen W, Wang L, Yu F (2024) Phase Separation of GRP7 that is facilitated by FERONIA-mediated phosphorylation inhibits mRNA translation to modulate plant temperature resilience.
Molecular Plant, 17(3), 460–477.

Köster T, Venhuizen P, Lewinski M, Petrillo E, Marquez Y, Fuchs A, Ray D, Nimeth BA, Riegler S, Franzmeier S, Zheng H, Hughes T, Morris Q, Barta A, Staiger D, Kalyna M (2024)
At-RS31 orchestrates hierarchical cross-regulation of splicing factors and integrates alternative splicing with TOR-ABA pathways.
bioRxiv. doi:10.1101/2024.12.04.626797v1

Kiel A, Helweg LP, Kaltschmidt BP, Wohllebe MP, Hitz F, Hütten A, Knabbe C, Niehaus K, Staiger D, Rückert-Reed C, Busche T, Kaltschmidt B, Kaltschmidt C (2024)
Sanguibacter biliveldensis sp. nov., a Gram-positive mesophilic bacterium isolated from plant lesions.
Int J Syst Evol Microbiol.74(12).

Clemens S, Staiger D (2024)
GBM-Studiengruppe „Biochemie und Molekularbiologie der Pflanzen“ – Aktivitäten
Biospektrum 03.24 326-327

Reichel M, Tankmar MD, Rennie S, Arribas-Hernández L, Lewinski M, Köster T, Wang N, Millar AA, Staiger D, Brodersen P (2024)
ALBA proteins facilitate cytoplasmic YTHDF-mediated reading of m6A in plants.
bioRxiv, doi: 10.1101/2024.04.04.588066

Staiger D (2024) Insektensterben durch „Artificial light at night”.

Biologie in unserer Zeit 54,

Lewinski M, Steffen A, Kachariya N, Elgner M, Schmal C, Messini N, Köster T, Reichel M, Sattler M, Zarnack K, Staiger D (2023) Arabidopsis thaliana GLYCINE RICH RNA-BINDING PROTEIN 7 interaction with its iCLIP target *LHCB1.1* correlates with changes in RNA stability and circadian oscillation.
The Plant Journal, 118(1), 203-224.

Steffen A, Dombert K, Iglesias MJ, Nolte C, de Leone MJ, Yanovsky MJ, Mateos JL, Staiger D (2024)
Assessing the role of AtGRP7 arginine 141, a target of dimethylation by PRMT5, in flowering time control.
bioRxiv, doi: 10.1101/2024.09.24.614656

Szewc L, Zhang X, Bajczyk M, Bielewicz D, Zimna M, Yura K, Kato M, Nomoto M, Garcia-León M, Rubio V, Tada Y, Furumoto T, Aoyama T, Szweykowska-Kulinska Z, Staiger D, Jarmolowski A, Tsuge T (2024)
Plant Cleavage Factor I complex is essential for precise cleavage and polyadenylation site determination.
bioRxiv, doi: 10.1101/2024.03.28.587165

Gendron JM, Staiger D (2023) New Horizons in Plant Photoperiodism.
Annual Review of Plant Biology 74, 481-509.

Mateos JM, Staiger D (2023) Toward a systems view on RNA-binding proteins and associated RNAs in plants - Guilt by association.
The Plant Cell 35 (6), 481-509.

Laloum T, Martin G, Lewinski M, Yanez RJR, Köster T, Staiger D, Duque P (2023)
An Arabidopsis SR protein relieving ABA inhibition of seedling establishment represses ABA-responsive alternative splicing.
bioRxiv, doi: 10.1101/2023.12.19.572415.

Kasztelan A, Maszkowska J, Anielska-Mazur J, Cieślak D, Polkowska-Kowalczyk L, Poznański J, Dadlez M, Nöh C, Steffen A, Kasztelan K, Bucholc M, Szymańska KP, Gutierrez-Beltran E, Staiger D, Sztatelman O, Dobrowolska G (2023)
Phosphorylation Promotes Liquid-Liquid Phase Separation of GRP8 and Its Assembly into Stress Granules Upon Salinity Stress in Arabidopsis.
bioRxiv, doi: 10.1101/2023.12.13.571504.

Agrofoglio YC, Iglesias MJ, Perez-Santangelo S, de Leone MS, Köster T, Catala R, Salinas J, Yanovsky MJ, Staiger D, Mateos JL (2023) Antagonistic effects of arginine methylation of LSM4 on alternative splicing during plant stress responses.
bioRxiv, doi: 10.1101/2023.12.08.570794.

Johansson M, Steffen A, Lewinski M, Kobi N, Staiger D (2023) HDF1, a novel flowering time regulator identified in a mutant suppressing *sensitivity to red light reduced 1* early flowering.
Scientific Reports 13, 1404.

Staiger D (2023) Transgenfreie Genomeditierung dank mobiler RNAs – CRISPR on the move
Biologie in unserer Zeit 53 (3), 224-225.

Zhang R, Kuo R, Coulter M, Calixto CPG, Entizne JC, Guo W, Marquez Y, Milne L, Riegler S, Matsui A, Tanaka M, Harvey S, Yubang G, Wiebner-Kroh T, Crespi M, Denby K, ben Hur A, Huq E, Jantsch MF, Jarmolowski A, Koester T, Laubinger S, Li QQ, Gu L, Seki M, Staiger D, Sunkar R, Szweykowska-Kulinska Z, Tu SL, Wachter A, Waugh R, Xiong L, Zhang XN, Reddy ASN, Barta A, Kalyna M, Brown JWS (2022)
A high resolution single molecule sequencing-based Arabidopsis transcriptome using novel methods of Iso-seq analysis.
Genome Biology 23, 149.

Xu F, Wang L, Li Y, Shi J, Staiger D, Chen W, Wang L, Yu F (2022)
The Receptor Kinase FER Mediates Phase Separation of Glycine-Rich RNA-Binding Protein 7 to Confer Temperature Resilience in *Arabidopsis*.
BioRxiv, doi:10.1101/2022.03.06.483201.

Jabre I, Chaudhary S, Wilson CM, Staiger D, Syed N (2022)
Stochastic Variation in DNA Methylation Modulates Nucleosome Occupancy and Alternative Splicing in *Arabidopsis thaliana.*
Plants 2022, 11(9), 1105.

Staiger D (2022) Begrenzter Spielraum der Evolution – Mutationen im Genom weniger zufällig als gedacht
Biologie in unserer Zeit 52 (3), 227-228.

Staiger D (2022) Temperaturabhängige Regulation der Blütezeit.
Biologie in unserer Zeit 52 (2), 122-123**.**

Arribas-Hernández L, Rennie S, Köster T, Porcelli C, Lewinski M, Staiger D, Andersson R, Brodersen P (2021) Principles of mRNA targeting via the *Arabidopsis* m6A-binding protein ECT2.
eLife, doi:10.7554/eLife.72375.

Hafner M, Katsantoni M, Köster T, Marks J, Mukherjee J, Staiger D, Ule J, Zavolan M (2021) CLIP and complementary methods. (authors in alphabetical order)
Nature Reviews Methods Primers, 1, 20

Featured:

PrimeView https://www.nature.com/articles/s43586-021-00023-4

Zhang R, Kuo R, Coulter M, Calixto CPG, Entizne JC, Guo W, Marquez Y, Milne L, Riegler S, Matsui A, Tanaka M, Harvey S, Yubang G, Wiebner-Kroh T, Crespi M, Denby K, ben Hur A, Huq E, Jantsch MF, Jarmolowski A, Koester T, Laubinger S, Li QQ, Gu L, Seki M, Staiger D, Sunkar R, Szweykowska-Kulinska Z, Tu SL, Wachter A, Waugh R, Xiong L, Zhang XN, Reddy ASN, Barta A, Kalyna M, Brown JWS (2021)
A high resolution single molecule sequencing-based Arabidopsis transcriptome using novel methods of Iso-seq analysis.
BioRxiv, doi:10.1101/2021.09.02.458763.

Köster T, Staiger D (2021) RNA-binding protein immunoprecipitation and high throughput sequencing.
Arabidopsis Protocols 4th edition, 453-461.

Arribas-Hernández L, Rennie S, Köster T, Schon M, Porcelli C, Lewinski M, Enugutti B, Nodine M, Staiger D, Andersson R, Brodersen P (2021) Principles of mRNA targeting and regulation via the *Arabidopsis* m6A-binding proteins ECT2 and ECT3.
BioRxiv, doi:10.1101/2021.04.18.440342.

Staiger D (2021) Das Immunsystem der Pflanze in einem Akt.
Biologie in unserer Zeit 51 (3), 225-226.

Wang L, Yang T, Wang B, Lin Q, Zhu S, Li C, Ma Y, Tang J, Xing J, Li X, Liao H, Staiger D, Hu Z, Yu F (2020) RALF1-FERONIA Complex Impacts Splicing Dynamics to Modulate Stress Responses and Growth in Plants**.**
Science Advances, 6, eaaz1622.

Lewinski M, Bramkamp Y, Köster T, Staiger D (2020) SEQing: web-based visualization of iCLIP and RNA-seq data in an interactive python framework.
BMC Bioinformatics 21, 113.

Köster T, Reichel M, Staiger D (2020) CLIP and RNA interactome studies to unravel genome-wide RNA-protein interactions *in vivo* in *Arabidopsis thaliana*
Methods 178, 63-71

Köster T, Staiger D (2020) Plant individual resolution crosslinking and immunoprecipitation to characterize RNA-protein complexes.
Methods in Molecular Biology 2166 *"RNA tagging",* 255-267.

Begger JH, Steffen A, Nolding J, Staiger D (2020) Ohne die innere Uhr keine Blüte: Die Wirkung der Tageslänge auf den Blühbeginn der Pflanzen.
BU praktisch - Das Online-Journal für den Biologieunterricht 3(2), doi: 10.4119/bupraktisch-3360.

Staiger D (2020) Fahnung nach einem Gen gegen überflüssige Pfunde
Biologie in unserer Zeit 50(6), 393.

Staiger D (2020) In the heat of the day – RNA als Temperaturfühler.
Biologie in unserer Zeit 50(5), 306-307.

Staiger D (2020) Proteins on the move.
Biologie in unserer Zeit 50(4), 231-232.

Lewinski M, Bramkamp Y, Köster T, Staiger D (2019) SEQing: web-based visualization of *Arabidopsis thaliana* iCLIP and RNA-seq data in an interactive python framework.
bioRxiv, doi: 10.1101/2019.12.17.865873.

Reichel M, Köster T, Staiger D (2019) m6A writers, readers and functions in Arabidopsis. *Journal of Molecular Cell Biology,* 11(10):899-910.

Szakonyi D, Confraria A, Valerio C, Duque P, Staiger D (2019) Editorial: Plant RNA Biology. *Frontiers in Plant Science* 10:887.

Steffen A, Elgner M, Staiger D (2019) Regulation of flowering time by the RNA-binding proteins *At*GRP7 and *At*GRP8.
Plant and Cell Physiology 60 (9), 2040-2050.

Clemens, S, Staiger D (2019) GBM-Studiengruppe „Biochemie und Molekularbiologie der Pflanzen“ – Aktivitäten
BioSpektrum 4.19, 448.

Schiessl S, Williams N, Specht P, Staiger D, Johansson M (2019) Different copies of SENSITIVITY TO RED LIGHT REDUCED 1 show strong subfunctionalization in *Brassica napus*.
BMC Plant Biology 19(1):372.

Chaudhary S, Jabre I, Reddy ASN, Staiger D, Syed NH (2019) Perspective on alternative splicing and proteome complexity in plants
Trends in Plant Science 23, 24(6), 496-506.

Weber APM, Staiger D (2019) Molecular mechanisms of plant acclimation to changing environments.
Plant Biology 21(1), 3-5.

Mateos JL, de Leone MJ, Torchio J, Reichel M, Staiger D (2018) Beyond transcription – fine tuning of circadian timekeeping by posttranscriptional regulation.
Genes 2018, 9(12), 616.

Bekiaris PS, Tekath T, Staiger D, Danisman S (2018) Computational exploration of cis-regulatory modules in rhythmic expression data using the "Exploration of Distinctive CREs and CRMs" (EDCC) and "CRM Network Generator" (CNG) programs.
PLoS One 13(1):e0190421.

Staiger D (2018) Wie der Mensch das Tomaten-Metabolom verändert.
Biologie in unserer Zeit 48(4). 213-214.

Meyer K*, Köster T*, Nolte C, Weinholdt C, Lewinski M, Grosse I, Staiger D (2017) Adaptation of iCLIP to plants determines the binding landscape of the clock-regulated RNA-binding protein AtGRP7.
*joint first authors
Genome Biology 18(1), 204.

Featured:

https://ekvv.uni-bielefeld.de/blog/uniaktuell/entry/die_innere_uhr_der_pflanzen

https://www.westfalen-blatt.de/OWL/Bielefeld/Bielefeld/3048533-Forschung-der-Uni-Bielefeld-Anpassung-an-Jahreszeiten-sowie-Tag-und-Nacht-entscheidend-fuer-die-Fitness-Den-Mechanismus-der-inneren-Uhr-verstehen

https://blogs.biomedcentral.com/on-biology/2017/11/30/living-rna-world/

Staiger D (2017) Nobelpreis für die Innere Uhr.
Biologie in unserer Zeit 47(6), 352-354.

Steffen A, Staiger D (2017) Chromatin marks and ambient temperature-dependent flowering strike up a novel liaison.
Genome Biology 18, 119.

Foley S,Gosai SJ, Wang D, Selamoglu N, Solitti AC, Köster T, Steffen A, Lyons E, Daldal F, Garcia BA, Staiger D, Deal RB, Gregory BD (2017) A global view of RNA-protein interactions reveals novel root hair cell fate regulators
Developmental Cell 41, 204-220.e5.

Featured:

https://penntoday.upenn.edu/news/penn-team-identifies-genetic-target-growing-hardier-plants-under-stress

Köster T, Marondedze C, Meyer K, Staiger D (2017) RNA-binding proteins revisited – the emerging Arabidopsis mRNA interactome
Trends in Plant Science 22, 512-526.

Jung C, Pillen K, Staiger D, Coupland G, von Korff M (2017) Editorial: Recent Advances in Flowering Time Control.
Frontiers in Plant Science 7, 2011.

Staiger D (2017) Die Sonnenblume – eine Sonnenuhr
Biologie in unserer Zeit 46, 12-13.

Wagner L, Schmal C, Staiger D, Danisman S (2017) The Plant Leaf Movement Analyser (PALMA) - a simple tool for the analysis of periodic cotyledon and leaf movement in *Arabidopsis thaliana*
Plant Methods 13, 2.

Staiger D (2016) Schlechte Zeiten für akute myeloische Leukämie
Biologie in unserer Zeit 46, 281-282.

Lewinski M, Hallmann A, Staiger D (2016) Genome-wide identification and phylogenetic analysis of plant RNA binding proteins comprising both RNA recognition motifs and contiguous glycine residues.
Mol Genet Genomics 291, 763-773.

Simpson CG, Fuller J, Calixto CPG, McNicol J, Booth C, Brown JWS, Staiger D (2016) Monitoring Alternative Splicing Changes in Arabidopsis Circadian Clock Genes.
Methods in Molecular Biology 1398, 119-132.

Staiger D (2016) Bei Kulturpflanzen der Tomate geht die innere Uhr nach.
Biologie in unserer Zeit 46, 145-146.

Staiger D (2016) Warum Pflanzen und Säugetiere ähnlich ticken.
Biologie in unserer Zeit 46, 14-15

Danisman S, Mateos J, Staiger D (2015) Time to network: The molecular blueprint of the circadian timing system in plants.
In: Rhythms in Plants, Mancuso, S (ed) 257-276.

Meyer K, Köster T, Staiger D (2015) Pre-mRNA Splicing in Plants: In Vivo Functions of RNA-Binding Proteins Implicated in the Splicing Process.
Biomolecules 5, 1717-1740.

Staiger D, Simpson GG (2015) Enter exitrons.
Genome Biology 16, 136.

Nolte C, Staiger D (2015) RNA around the clock - regulation at the RNA level in biological timing.
Front Plant Sci 6, 311.

Staiger D (2015) Shaping the Arabidopsis Transcriptome through Alternative Splicing.
Advances in Botany, 419428.

Johansson M, Staiger D (2015) Time to flower: interplay between photoperiod and the circadian clock
Journal of Experimental Botany **66**, 719-730.

Meyer K, Staiger D (2015) Das Leitgewebe gibt den Takt an.
Biologie in unserer Zeit 45, 246-252.

Leder V, Lummer M, Tegeler, K Humpert F, Lewinski M, Schüttpelz M, Staiger D (2014) Mutational definition of binding requirements of an hnRNP-like protein in Arabidopsis using fluorescence correlation spectroscopy.
Biochemical and Biophysical Research Communications **453,** 69–74.

Köster T, Brown JWS, Staiger D (2014) Jenseits des Genoms – Alternatives Spleißen erhöht die Vielfalt des Transkriptoms.
Naturwissenschaftliche Rundschau **67,** 566-571.

Meyer K, Köster T, Staiger D (2014) Unraveling post-transcriptional networks:
Analysis of RNA-protein interactions with RNA immunoprecipitation.
Biotechnologia Journal of Biotechnology, Computational Biology and Bionanotechnology **95,** 43.

Köster T, Meyer K, Weinholdt C, Smith LS, Lummer M, Speth C, Grosse I, Weigel D, Staiger D (2014) Regulation of pri-miRNA processing by an hnRNP-like protein AtGRP7 in Arabidopsis.

Biotechnologie Journal of Biotechnology, Computational Biology and Bionanotechnology **95,** 78.

Johansson M, Staiger D (2014) SRR1 is essential to repress flowering in non-inductive conditions in Arabidopsis thaliana.
Journal of Experimental Botany 65, 5811-5820.

Köster T, Meyer K, Weinholdt C, Smith LS, Lummer M, Speth C, Grosse I, Weigel D, Staiger D (2014) Regulation of pri-miRNA processing by the hnRNP-like protein AtGRP7 in Arabidopsis.
Nucleic Acids Research 42, 9925-9936.

Staiger D (2014) Chloroplasten abgehört - retrograde Signale diktieren alternatives Spleißen.
Biologie in unserer Zeit 44, 220-221.

Korneli C, Danisman S, Staiger D (2014) Differential Control Of Pre-Invasive And Post-Invasive Antibacterial Defense By The Arabidopsis Circadian Clock.
Plant Cell Physiol. 55, 1613-1622.

Köster T, Haas M, Staiger D (2014) The RIPper Case: Identification of RNA-Binding Protein Targets by RNA Immunoprecipitation.
Methods in Molecular Biology 1158, 107-121.

Steffen A, Fischer A, Staiger D (2014) Determination of photoperiodic flowering time control in *Arabidopsis* and barley.
Methods in Molecular Biology 1158, 285-295.

Staiger D (2014) Plant Circadian Networks
Methods in Molecular Biology 1158, 5-6.

Hackmann C, Korneli C, Kutyniok M, Köster T, Wiedenlübbert M, Müller C, Staiger D (2014) Salicylic acid-dependent and -independent impact of an RNA-binding protein on plant immunity.
Plant, Cell & Environment 37, 696-706.

Löhr B, Streitner C, Steffen A, Lange T, Staiger D (2014) A glycine-rich RNA-binding protein affects gibberellin biosynthesis in Arabidopsis.
Molecular Biology Reports 41, 439-445.

Staiger D, Brown JWS (2013) Alternative Splicing at the Intersection of Biological Timing, Development, and Stress Responses.
Plant Cell 25, 3640-3656.

Featured:

http://www.plantcell.org/content/25/10/3639.long

Köster T, Staiger D (2013) RNA-Binding Protein Immunoprecipitation from Whole-Cell Extracts. *Arabidopsis Protocols, Methods in Molecular Biology* 126, 679-695.

Lummer M, Humpert F, Wiedenlübbert M, Sauer M, Schüttpelz M, Staiger D (2013) A new set of reversibly photoswitchable fluorescent proteins for use in transgenic plants. *Molecular Plant* 6, 1518-1530.

Staiger D, Hammann C (2013) Nachlese zur Frühjahrsakademie der Gesellschaft für Genetik.
Bio Spektrum 19, 672

Streitner C, Simpson CG, Shaw P, Danisman S, Brown JWS, Staiger D (2013) Small changes in ambient temperature affect alternative splicing in *Arabidopsis thaliana*. *Plant Signaling & Behaviour* 8, e24638.

Schmal C, Reimann P, Staiger D (2013) A Circadian Clock-Regulated Toggle Switch Explains *AtGRP7* and *AtGRP8* Oscillations in *Arabidopsis thaliana*.
PLoS Computational Biology 9, e1002986.

Nicaise V, Joe A, Jeong B, Korneli C, Boutrot F, Wested I, Staiger D, Alfano JR, Zipfel C (2013) Pseudomonas HopU1 Affects Interaction of Plant Immune Receptor mRNAs to the RNA-Binding Protein GRP7.
EMBO J 32, 701-712.

Staiger D, Shin J, Johansson M, Davis SJ (2013) The circadian clock goes genomic.
Genome Biology 14, 208**.**

Staiger D, Korneli C, Lummer M, Navarro L (2013) Emerging role for RNA-based regulation in plant immunity.
New Phytologist 197, 394-404.

Streitner C, Köster T, Simpson CG, Shaw P, Danisman S, Brown JWS, Staiger D (2012) An hnRNP-like RNA-binding protein affects alternative splicing by *in vivo* interaction with target transcripts in *Arabidopsis thaliana*.
Nucleic Acids Research 40, 11240-11255.

Baerenfaller K, Bastow R, Beynon J, Brady S, Brendel V, Donaldson S, Dooley R, Forster M, Friesner J, Gifford D, Grotewold E, Gutierrez R, Huala E, Jaiswal P, Joshi H, Kersey P, Liu L, Loraine A, Lyons E, May S, Mayer K, MacLean D, Meyers B, Mueller L, Muller R, Muller HM, Ouellette F, Pires JC, Provart N, Staiger D, Stanzione D, Taylor J, Taylor C, Town C, Toyoda T Vaughn M, Walsh S, Ware D, Weckwerth W (2012) Taking the Next Step: Building an Arabidopsis Information Portal**.**
Plant Cell 24, 2248-2256.

Lummer M, Humpert F, Steuwe C, Caesar K, Schüttpelz M, Sauer M, Staiger D (2011) Reversible photoswitchable DRONPA-s monitors nucleocytoplasmic transport of an RNA-binding protein in transgenic plants.
Traffic 12, 693–702.

Jeong B, Lin Y, Joe A, Guo M, Korneli C, Yang H, Wang P, Yu M, Cerny R, Staiger D, Alfano J, Xu Y (2011) Structure function analysis of an ADP-ribosyltransferase Type III Effector and its RNA-Binding Target in Plant Immunity.
J Biol Chem 286, 43272-43281.

Staiger D, Green R (2011) RNA-based regulation in the plant circadian clock.
Trends Plant Sci 16, 517-523.

Pietsch D, Bernát G, Kahmann U, Staiger D, Pistorius EK, Michel KP (2011) New insights into the function of the iron deficiency-induced protein C from Synechococcus elongatus PCC 7942.
Photosynthesis research 108, 121-132.

Staiger D, Köster T (2011) Spotlight on post-transcriptional control in the circadian system.
Cell Mol Life Sci 68, 71-83.

Streitner C, Hennnig L, Korneli C, Staiger D (2010) Global transcript profiling of transgenic plants constitutively overexpressing the RNA-binding protein *At*GRP7.
BMC Plant Biology 10, 221.

Schmidt F, Marnef A, Cheung MK, Wilson I, Hancock J, Staiger D, Ladomery M (2010) A proteomic analysis of oligo(dT)-bound mRNP containing oxidative stress-induced *Arabidopsis thaliana* RNA-binding proteins ATGRP7 and ATGRP8.
Mol Biol Rep 37, 839-845.

Hühns M, Neumann K, Hausmann T, Klemke F, Lockau W, Kahmann U, Kopertekh L, Staiger D, Pistorius EK, Reuther J, Waldvogel E, Wohlleben W, Martin M, Junghans H, Neubauer K, Kragl U, Schmidt K, Schmidtke J, Broer I (2009) Tuber-specific cphA expression to enhance cyanophycin production in potatoes.
Plant Biotechnology Journal 7, 883-898.

Staiger D, Köster T (2009) Timing is everything - Die Innere Uhr der Pflanzen.
Labor & More 5, 40-41.

Lummer M, Schüttpelz M, Sauer M, Staiger D (2009) RNA-Protein-Interaktion im Rampenlicht.
BIOforum 32, 28-30.

Fuhrmann A, Schöning JC, Anselmetti D, Staiger D, Ros R (2009) Quantitative analysis of single molecule RNA-protein interaction.
Biophysical J 96, 5030-5039.

Michel K-P, Schröder A-K, Zimmermann M, Brandt S, Pistorius EK, Frankenberg-Dinkel N, Staiger D (2009) The hybrid histidine kinase Hik14 of the cyanobacterium *Synechocystis* sp. PCC 6803 contains FAD as a cofactor at its PAS domain.
Archives of Microbiology 191, 553-559.

Schriek S, Kahmann U, Staiger D, Pistorius EK, Michel K-P (2009) Detection of an L-amino acid dehydrogenase activity in *Synechocystis* sp. PCC 6803
J Experimental Botany 60, 1035-1046.

Streitner C, Danisman S, Wehrle F, Schöning, JC, Alfano JR, Staiger D (2008) The small glycine-rich RNA-binding protein AtGRP7 promotes floral transition in Arabidopsis thaliana.
Plant J 56, 239-250.

Schöning JC, Streitner C, Meyer IM, Gao Y, Staiger D (2008) Reciprocal regulation of glycine-rich RNA-binding proteins via an interlocked feedback loop coupling alternative splicing to nonsense-mediated decay in Arabidopsis.
Nucleic Acids Res, 6977-6987.

Staiger D, Streitner C, Lummer M, Schöning JC, Alfano J (2008) RNA-binding proteins as mediators of circadian clock output in Arabidopsis thaliana.
Comparative Biochemistry and Physiology, Molecular & Integrative Physiology 150, S152-153.

Schüttpelz M Schöning JC, Doose S, Neuweiler H, Peters E, Staiger D, Sauer M (2008) Changes of conformational dynamics of mRNA upon *At*GRP7 binding studied by fluorescence correlation spectroscopy
J Am Chem Soc 130, 9507–9513.

Schöning JC, Staiger D (2008) RNA-protein interaction mediating post-transcriptional regulation in the circadian system.
Methods in Molecular Biology 479, 337-351.

Schriek S, von Wösener EA, Ibelings BW, Nodop A, Becker A, Staiger D, Matthijs HCP, Pistorius E, Michel KP (2008) Transcript profiling indicates that the absence of PsbO affects the coordination of C and N metabolism in *Synechocystis* sp PCC 6803.
Physiol Plantarum (2008) 133, 525-543.

Hühns M, Neumann K, Ziegler K, Kahmann U, Staiger D, Lockau W, Pistorius EK, Broer I (2008) Targeting of the cyanophycin synthetase into plastids of *Nicotiana tabacum* leads to high levels of polymer accumulation without adverse effects on the phenotype.
Plant Biotechnology Journal 6, 321-336.

Staiger D (2008) Light and plant development, Annual Plant Reviews, Volume 30.
Annals of Botany, 480-481.

Fuhrmann A, Schöning JC, Getfert S, Eckel R, Reimann P, Anselmetti D, Staiger D, Ros R (2007) Single molecule protein-RNA interactions.
Biophysical J 168A, Suppl S.

Schriek S, Rückert C, Staiger D, Pistorius EK, Michel KP (2007) Bioinformatic evaluation of L-arginine catabolic pathways in 24 cyanobacteria and transcriptional analysis of genes encoding enzymes of L-arginine catabolism in the cyanobacterium *Synechocystis* sp. PCC 6803.
BMC Genomics 8, 437.

Schöning JC, Streitner C, Page DR, Hennig S, Uchida K, Wolf E, Furuya M, Staiger D (2007) Autoregulation of the circadian slave oscillator component ATGRP7 and regulation of its targets is impaired by a single RNA recognition motif point mutation.
Plant Journal 52, 1119-1130.

Pietsch D, Staiger D, Pistorius EK, Michel KP (2007) Characterization of the putative iron sulfur protein IdiC (ORF5) in Synechococcus elongatus PCC 7942.
Photosynthesis Research 94, 91-108

Fu ZQ, Guo M, Jeong BR, Tian F, Elthon TE, Cerny RL, Staiger D, Alfano JR (2007) A type III effector ADP-ribosylates RNA-binding proteins and quells plant immunity.
Nature 447, 284-288.

Featured:

Frankfurter Allgemeine Zeitung 08.06.2007, N2
Gleicher Infektionsablauf bei Mensch und Pflanze

https://www.nature.com/articles/nrmicro2993

Nodop A, Suzuki I, Barsch A, Schröder A, Niehaus K, Staiger D, Pistorius EK, Michel K (2006) Physiological and Molecular Characterization of a Synechocystis sp. PCC 6803 Mutant Lacking Histidine Kinase Slr1759 and Response Regulator Slr1760
J. Biosciences 61c, 865-878.

Schöning JC, Staiger D (2006) Being in time: the importance of posttranslational processes in circadian clocks
BIO TECH international 18, 12-15.

Schöning JC, Streitner C, Staiger D (2006) Clockwork Green - the circadian oscilator in *Arabidopsis*
Biological Rhythm Research 37, 335-352

Staiger D (2005) Am Puls des Lebens: Biologische Zeitmessung bei *Arabidopsis thaliana*
BIOforum 28, 53-55.

Staiger D, Streitner C, Rudolf F, Huang X (2006) Multiple and Slave Oscilators
in: Endogenous Plant Rhythms, eds.: Hall A, McWatters H
Blackwell Publishing, 57-83.

Staiger D (2005) Paradigmenwechsel im Verständnis der inneren Uhr
Biologie in unserer Zeit.

Schöning JC, Staiger D (2005) At the pulse of time: Protein interactions determine the pace of circadian clocks
FEBS Letters 579, 3246-3252.

Staiger D (2005) Post-transcriptional control in the Arabidopsis circadian system.
FEBS J, 272, 459.

Rudolf F, Wehrle F, Staiger D (2004)
Slave to the rhythm.
The Biochemist 26, 11-13.

Frohnmeyer H, Staiger D (2003) Ultraviolet-B radiation (UV-B) mediated responses in plants - balancing damage and protection.
Plant Physiol 133,1420-1428.

Ziemienowicz A, Haasen D, Staiger D, Merkle T (2003) *Arabidopsis* transportin1 is the nuclear import receptor for the circadian clock-regulated RNA-binding protein *At*GRP7.
Plant Mol Biol, 53, 201-212.

Staiger D, Zecca L, Wieczorek Kirk DA, Apel K, Eckstein L (2003) The circadian clock regulated RNA-binding protein *At*GRP7 autoregulates its expression by influencing alternative splicing of its own pre-mRNA.
Plant Journal 33, 361-371.

Staiger D, Allenbach L, Salathia N, Fiechter V, Davis SJ, Millar AJ, Chory J, Fankhauser C (2003) The *Arabidopsis* SRR1 gene mediates phyB signaling and is important for normal circadian clock function.
Genes and Development 17, 256-268.

Staiger D (2003) Wie ist die innere Uhr molekular aufgebaut?
Bielefelder Universitätszeitung 213, 14-15.

Fankhauser C, Staiger D (2002) Photoreceptors in *Arabidopsis thaliana*: light perception, signal transduction and entrainment of the endogenous clock.
Planta 216, 1-16.

Staiger D (2002) Chemical strategies for iron acquisition in plants.
Angewandte Chemie International Edition 41, 2259-2264.

Staiger D (2002) Wie gelangt Eisen in die Pflanze?
Angewandte Chemie 114, 2363-2368.

Staiger D (2001) Circadian rhythms in *Arabidopsis*: time for nuclear proteins
Planta 214, 334-344.

Staiger D (2001) RNA-binding proteins and circadian rhythms in *Arabidopsis thaliana*.
Philosophical Transactions of the Royal Society 356, 1755-1759.

McWatters HG, Roden L, Staiger D (2001) Picking out parallels: plant circadian clocks in context.
Philosophical Transactions of the Royal Society 356, 1735-1743

Staiger D (2001) Circadian clocks: CONSTANS lends its zinc finger
Trends in Plant Science 6, 293.

Membre N, Bernier F, Staiger D, Berna A (2000) *Arabidopsis thaliana* germin-like proteins: common and specific features point to a variety of functions.
Planta 211, 354-354.

Staiger D (2000) Wegbereiter der Pflanzenmolekularbiologie.
Biologie in unserer Zeit 30, 253.

Staiger D (2000) Biologische Zeitmessung bei Pflanzen.
Biologie in unserer Zeit 30, 76-81.

Staiger D, Apel K (1999) Circadian clock-regulated expression of an RNA-binding protein in *Arabidopsis*: characterisation of a minimal promoter element.
Mol Gen Genet 261, 811-819.

Staiger D, Apel K, Trepp G (1999) The *Atger3* promoter confers circadian clock-regulated transcription with peak expression at the beginning of the night.
Plant Mol Biol 40, 873-882.

Staiger D, Heintzen C (1999) The circadian system of *Arabidopsis thaliana* - forward and reverse genetic approaches.
Chronobiol Internat 16, 1-16.

Fischer A, Staiger D (1999) Immer im Rhythmus.
Tagesanzeiger 107 (208), 50.

Apel K, Melzer S, Staiger D (1999) Biologische Zeit - Gene und die innere Uhr der Pflanzen.
ETH Bulletin 272, 26-29.

Staiger D, Heintzen C, Zecca L (1999) The RNA-binding protein *At*GRP7 is a component of a clock-regulated negative feedback circuit in *Arabidopsis* in: "News from the Plant Chronobiology Research"
Biological Rhythm Research 30, 237-248.

Heintzen C, Nater M, Apel, K, Staiger D (1997) *At*GRP7, a nuclear RNA-binding protein as a component of a circadian-regulated negative feedback loop in *Arabidopsis thaliana*.
Proc Natl Acad Sci USA 94, 8515-8520.

Membre N, Berna A, Neuteling G, David A, David H, Staiger D, Vasquez JS, Raynal M, Delseny M, Bernier F (1997) cDNA sequence, genomic organization and differential expression of three *Arabidopsis* genes for germin/oxalate oxidase-like proteins.
Plant Molec Biol 35, 459-469.

Staiger D (1996) Clock-controlled transcripts in higher plants.
in: Vistas on Biorhythmicity, eds.: H. Greppin, R. Degli Agosti, M. Bonzon; Geneva. pp 119-

133.

Heintzen C, Melzer S, Fischer R, Kappeler S, Apel K, Staiger D (1994) A light- and temperature-entrained circadian clock controls expression of transcripts encoding nuclear proteins with homology to RNA-binding proteins in meristematic tissue.
The Plant Journal 6, 799-813.

Heintzen C, Fischer R, Melzer S, Kappeler S, Apel K, Staiger D (1994) Circadian oscillations of a transcript encoding a germin-like protein that is associated with cell walls in young leaves of the long-day plant *Sinapis alba L*..
Plant Physiol 106, 905-915.

Staiger D, Kappeler S, Müller M, Apel K (1994) The proteins encoded by two tapetum-specific transcripts, *Satap35* and *Satap44*, from *Sinapis alba L*. are localized in the exine cell wall layer of developing microspores.
Planta 192, 221-223.

Staiger D, Apel K (1993) Molecular characterization of two cDNAs from *Sinapis alba* L. expressed specifically at an early stage of tapetum development.
The Plant Journal 4, 697-703.

Körber H, Strizhov N, Staiger D, Feldwisch J, Olsson O, Sandberg G, Palme K, Schell J, Koncz C (1991) T-DNA gene 5 of *Agrobacterium* modulates auxin response by autoregulated synthesis of a growth hormone antagonist in plants.
The EMBO J 10, 3983-3991.

Fritze K, Staiger D, Czaja I, Walden R, Schell J, Wing D (1991) Developmental and UV light regulation of the snapdragon chalcone synthase promoter.
The Plant Cell 3, 893-905.

Staiger D, Becker F, Schell J, Koncz C, Palme K (1991) Purification of tobacco nuclear proteins binding to a CACGTG motif of the chalcone synthase promoter by DNA affinity chromatography.
Eur J Biochem 199, 519-527.

Staiger D, Schell J, Palme K (1991) Tobacco nuclear factor CG-1: DNA-protein crosslinking studies and copurification by differential sequence-specific affinity chromatography with a 21 kD polypeptide.
J Cell Biochem S 15 A, 157.

Staiger D, Kaulen H, Schell J (1990) A nuclear factor recognizing a positive regulatory upstream element of the *Antirrhinum majus* chalcone synthase promoter.
Plant Physiol 93, 1347-1355.

Staiger D, Kaulen H, Schell J (1989) A CACGTG motif of the *Antirrhinum majus* chalcone synthase promoter is recognized by an evolutionarily conserved nuclear protein.
Proc Natl Acad Sci USA 86, 6930-6943.

Staiger D, Schell J (1989) Identification and characterization of a trans-acting factor involved in the regulation of a chalcone synthase gene in tobacco.
J Cell Biochem S 13 A, M348.

Schreckenbach T, Werenskiold A-K, with contributions from Staiger D, Allen RG, Bernier F, Lemieux G, Nations C, Palotta D (1986) Gene expression during plasmodial differentiation.
in: The molecular Biology of *Physarum polycephalum*. eds.: Dove WF, Dee J, Hatano S, Haugli FB, Wohlfarth-Bottermann K-E; Plenum Publishing Corporation. pp 131-150.

Neumann H, Gierl A, Tu J, Leibrock J, Staiger D, Zillig W (1983) Organization of the genes for ribosomal RNA in Archaebacteria.
Mol Gen Genet 192, 66-72.

Funding

2025-2027 **DFG** Impact of *in vivo* RNA-protein interaction on the fate of chromatin-associated RNA

2023-2026 **DFG-ANR joint grant** with Prof. Martin Crespi, IPS2 Paris
RIBORES - Splicing Factors and riboregulators in the control of thermo-resilience in plants

2021-2025 **DFG "Beethoven" joint grant** with Prof. Artur Jarmolowski, AMU Poznan
U1 snRNP and polyadenylation in plants - a novel liaison

2020-2024 **DFG** Spatiotemporal analysis of *in vivo* RNA-protein interaction

2019-2023 **DFG** Single mRNA interactome capture in Arabidopsis - RAPping rhythms

2016-2019 **DFG CONICET joint grant** with Dr. Julieta Mateos
Global impact of arginine methylation on splicing in Arabidopsis

2015-2018 **SPP 1530** Unravelling the role of an autonomous pathway component in FTi control in Arabidopsis and barley

2014-2017 **DFG joint grant** with Prof. Ivo Grosse, Halle
Regulation of alternative splicing in *Arabidopsis thaliana* – a combined RNA-Seq and RIP-Seq approach

2012-2015 **SPP 1530** Unravelling the role of a novel autonomous pathway component in FTi control by small RNA profiling and cross-species comparison

2009-2012 **SFB 613** (D7) Investigation of the molecular mechanism of a circadian "slave" oscillator using single-molecule fluorescence spectroscopy and imaging

2010-2012 **DFG** Functional characterisation of a gene family encoding circadian regulated glycine-rich RNA-binding proteins in *Arabidopsis thaliana* (2. Förderperiode)

2008-2011 **DFG** Mutual interactions between biological timing and innate immunity in Arabidopsis

2007-2008 **BMBF** (Fachagentur Nachwachsende Rohstoffe)
Produktion von biologisch abbaubaren Polymeren in transgenen Kartoffelknollen Phase III

2007-2009 **DFG** Functional analysis of the protein IdiC (ORF5) in *Synechococcus elongatus* PCC 7942

2005-2006 **BMBF** (**Fachagentur Nachwachsende Rohstoffe)**
Produktion von biologisch abbaubaren Polymeren in transgenen Kartoffelknollen Phase II

2005-2008 **SFB 613** (N5) Untersuchung des molekularen Mechanismus eines circadianen "slave" Oszillators mittels Einzelmolekül-Fluoreszenzmikroskopie und Rasterkraftmikroskopie

2006-2008 **DFG** Functional characterisation of a gene family encoding circadian regulated glycine-rich RNA-binding proteins in *Arabidopsis thaliana* (1. Förderperiode)

2003 **HBFG** (Großgeräte für Ausbildung und Forschung): Growth rooms

2003-2006 **FOR 387** Redox-Regulation der Wechselbeziehung zwischen Photosynthese, Respiration und N-Stoffwechsel in Cyanobakterien

1999-2002 **Schweizerischer Nationalfonds**
Identification of transcripts with altered expression in transgenic plants overexpressing the RNA-binding protein *At*GRP7, a component of the circadian system in *Arabidopsis thaliana*

1999-2002 **Swiss Federal Institute of Technology Research Commission**
A genetic screen to isolate mutants of *Arabidopsis thaliana* altered in endogenous rhythms

2002 **Functional Genomics Centre Zürich** Identification of target transcripts of RNA-binding proteins in *Arabidopsis thaliana*

1999 **Hitachi (Tokio)** Fluorescence differential display

1995-1999 **Schweizerischer Nationalfonds** Funktionelle Analyse von circadian regulierten RNA-bindenden Proteinen in *Arabidopsis thaliana*

1994-1997 **Swiss Federal Institute of Technology Research Commission**
Molecular mechanisms of a clock-regulated feedback loop based on an RNA-binding protein in Arabidopsis

1985-1989 **Fritz Thyssen Foundation** PhD Fellowship, Bench Fees, Travel grants