

# *Theses*

Many students made their PhD, MD, master or diploma thesis during the last two decades. They have been or are still part of our team and we very much appreciate their contributions.


**Ongoing work**


**Finished Habilitation**


**Finished Doctoral Theses**

**Finished Master and Diploma Theses**

## Ongoing Work

<b>Title:</b>	<b>1000 Genomes per cell: Profiling of mitochondrial DNA</b>	
<b>Name:</b>	<b>Federica Fazzini</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	Florian Kronenberg	
<b>Time:</b>	4/2015 -	

<b>Title:</b>	<b>A genome-wide approach to evaluate the genetic basis of lipoprotein(a)</b>	
<b>Name:</b>	<b>Salome Friedel</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	Claudia Lamina	
<b>Time:</b>	8/2014 -	


<b>Title:</b>	<b>Bioinformatic-based quality assurance in epidemiological studies</b>	
<b>Name:</b>	<b>Hansi Weißensteiner</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	2/2009 -	

### Main publications:


1. [Kloss-Brandstätter A](#), [Weissensteiner H](#), [Erhart G](#), [Schäfer G](#), [Forer L](#), [Schönherr S](#), [Pacher D](#), [Seifarth C](#), [Stöckl A](#), [Fendt L](#), [Sottas I](#), [Klocker H](#), [Huck CW](#), [Rasse M](#), [Kronenberg F](#), [Kloss FR](#):

- Validation of Next-Generation Sequencing of Entire Mitochondrial Genomes and the Diversity of Mitochondrial DNA Mutations in Oral Squamous Cell Carcinoma. *PLoS. ONE.* 10:e0135643, 2015. [\[Pub-Med\]](#)
2. Forer L, Afgan E, Weissensteiner H, Davidovic D, Specht G, Kronenberg F, Schönherr S: Cloudflow - A framework for MapReduce pipeline development in Biomedical Research. *38th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO 2015, Opatija, Croatia, May 25-29, 2015*:p. 172-177, 2015.
  3. Lamina C\*, Linsenmeyer J\*, Weissensteiner H, Kollerits B, Meisinger C, Rantner B, Stöckl D, Stadler M, Klein-Weigel P, Peters A, Fraedrich G, Kronenberg F: Correlation between a positive family risk score and peripheral artery disease in one case-control and two population-based studies. *Atherosclerosis* 237:243-250, 2014. [\[Pub-Med\]](#)
  4. Summerer M, Horst J, Erhart G, Weissensteiner H, Schönherr S, Pacher D, Forer L, Horst D, Manhart A, Horst B, Sanguanserm Sri T, Kloss-Brandstätter A: Large-scale mitochondrial DNA analysis in Southeast Asia reveals evolutionary effects of cultural isolation in the multi-ethnic population of Myanmar. *BMC. Evol. Biol.* 14:17, 2014. [\[Pub-Med\]](#)
  5. Weissensteiner H\*, Haun M\*, Schönherr S, Neuner M, Forer L, Specht G, Kloss-Brandstätter A, Kronenberg F, Coassin S: SNPflow: a lightweight application for the processing, storing and automatic quality checking of genotyping assays. *PLoS One.* 8: e59508, 2013. [\[Pub-Med\]](#)
  6. Kloss-Brandstätter A, Pacher D, Schönherr S, Weissensteiner H, Binna R, Specht G, Kronenberg F: HaploGrep: a fast and reliable algorithm for automatic classification of mitochondrial DNA haplogroups. *Human Mutation* 32:25-32, 2011. [\[Pub-Med\]](#)
  7. Forer L, Schönherr S, Weissensteiner H, Haider F, Kluckner T, Gieger C, Wichmann HE, Specht G, Kronenberg F, Brandstätter A: CONAN: Copy Number Variation Analysis Software for Genome-Wide Association Studies. *BMC Bioinformatics* 11:318, 2010. [\[Pub-Med\]](#)

[\[top\]](#)

<b>Title:</b>	<b>Mitochondrial markers for prostate cancer prognosis and therapy</b>	
<b>Name:</b>	<b>Bernd Schöpf</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	Dr. Helmut Klocker (Univ. Clinic of Urology) and <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	08/2012 -	

## Finished Habilitation

<b>Title:</b>	<b>Genetic ancestry and the genetic epidemiology of complex disease</b>	
<b>Name:</b>	<b>Anita Kloss-Brandstätter</b>	
<b>Type of work:</b>	Habilitation in Human Genetics	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	until 11/2010	


### Main publications:

1. [Brandstätter A](#), Zimmermann B, Wagner J, Goebel T, Roeck AM, Salas A, Carracedo A, Parson W: Timing and deciphering mitochondrial DNA macro-haplogroup R0 variability in Central Europe and Middle East. *BMC Evolutionary Biology* 8:191, 2008. [\[Pub-Med\]](#)
2. Zimmermann B, Bodner M, Amory S, Fendt L, Röck A, Horst D, Horst B, Sanguansermsri T, Parson W, [Brandstätter A](#): Forensic and phylogeographic characterization of mtDNA lineages from northern Thailand (Chiang Mai). *International Journal of Legal Medicine* 123:495-501, 2009 [\[Pub-Med\]](#)
3. Schoenherr S, Weissensteiner H, Coassin S, Specht G, Kronenberg F, [Brandstätter A](#): eCOMPAGT - efficient Combination and Management of Phenotypes and Genotypes for Genetic Epidemiology. *BMC Bioinformatics* 10:139, 2009. [\[Pub-Med\]](#)
4. Weissensteiner H\*, Schönherr S\*, Specht G, Kronenberg F, [Brandstätter A](#): eCOMPAGT integrates mtDNA: import, validation and export of mitochondrial DNA profiles for population genetics, tumour dynamics and genotype-phenotype association studies. *BMC Bioinformatics* 11:122, 2010. [\[Pub-Med\]](#)
5. [Brandstätter A](#), Kiechl S, Kollerits B, Hunt SC, Heid IM, Coassin S, Willeit J, Adams TD, Illig T, Hopkins PN, Kronenberg F: Sex-specific association of the putative fructose transporter *SLC2A9* variants with uric acid levels is modified by BMI. *Diabetes care* 31:1662-1667, 2008. [\[Pub-Med\]](#)
6. [Brandstätter A](#), Lamina C, Kiechl S, Hunt SC, Coassin S, Paulweber B, Kramer F, Summerer M, Willeit J, Kedenko L, Adams TD, [Kronenberg F](#): Sex and age interaction with genetic association of atherogenic uric acid concentrations. *Atherosclerosis* 210:474-478, 2010. [\[Pub-Med\]](#)
7. [Brandstätter A](#), Lingenhel A, Zwiauer K, Strobl W, Kronenberg F: Decrease of Lp(a) during weight reduction in obese children is modified by the apo(a) kringle-IV copy number variation. *International Journal of Obesity* 33:1136-1142, 2009. [\[Pub-Med\]](#)
8. Ehrlenbach S, Willeit P, Kiechl S, Willeit J, Reindl M, Schanda K, Kronenberg F, [Brandstätter A](#): Influences on the reduction of relative telomere length over ten years in the population-based Bruneck Study: introduction of a well-controlled high-throughput assay. *International Journal of Epidemiology* 38:1725-1734, 2009. [\[Pub-Med\]](#)

\* Authors contributed equally

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## Finished Doctoral Theses

<b>Title:</b>	<b>Software solutions for high-throughput detection and analysis of Copy Number Variation</b>	
<b>Name:</b>	<b>Lukas Forer</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	4/2010 – 10/2014	

### Main publications:

1. [Forer L, Schönherr S, Weissensteiner H, Haider F, Kluckner T, Gieger C, Wichmann HE, Specht G, Kronenberg F, Brandstätter A](#): CONAN: Copy Number Variation Analysis Software for Genome-Wide Association Studies. *BMC Bioinformatics* 11:318, 2010. [\[Pub-Med\]](#)
2. Jacquemont S, Reymond A, Zufferey F, Harewood L, Walters RG, Kutalik Z, Martinet D, Shen Y, Valsesia A, Beckmann ND, Thorleifsson G, Belfiore M, Bouquillon S, Campion D, de LN, de Vries BB, Esko T, Fernandez BA, Fernandez-Aranda F, Fernandez-Real JM, Gratacos M, Guilmatre A, Hoyer J, Jarvelin MR, Frank KR, Kurg A, Le CC, Mannik K, Platt OS, Sanlaville D, Van Haelst MM, Villatoro GS, Walha F, Wu BL, Yu Y, Aboura A, Addor MC, Alembik Y, Antonarakis SE, Arveiler B, Barth M, Bednarek N, Bena F, Bergmann S, Beri M, Bernardini L, Blaumeiser B, Bonneau D, Bottani A, Boute O, Brunner HG, Cailley D, Callier P, Chiesa J, Chrast J, Coin L, Coutton C, Cuisset JM, Cuvellier JC, David A, de FB, Delobel B, Delrue MA, Demeer B, Descamps D, Didelot G, Dieterich K, Disciglio V, Doco-Fenzy M, Drunat S, Duban-Bedu B, Dubourg C, El-Sayed Moustafa JS, Elliott P, Faas BH, Faivre L, Faudet A, Fellmann F, Ferrarini A, Fisher R, Flori E, [Forer L](#), Gaillard D, Gerard M, Gieger C, Gimelli S, Gimelli G, Grabe HJ, Guichet A, Guillin O, Hartikainen AL, Heron D, Hippolyte L, Holder M, Homuth G, Isidor B, Jaillard S, Jaros Z, Jimenez-Murcia S, Joly HG, Jonveaux P, Kaksonen S, Keren B, [Kloss-Brandstätter A](#), Knoers NV, Koolen DA, Kroisel PM, [Kronenberg F](#), Labalme A, Landais E, Lapi E, Layet V, Legallic S, Leheup B, Leube B, Lewis S, Lucas J, Macdermot KD, Magnusson P, Marshall C, Mathieu-Dramard M, McCarthy MI, Meitinger T, Antonietta MM, Merla G, Moerman A, Mooser V, Morice-Picard F, Mucciolo M, Nauck M, Coumba NN, Nordgren A, Pasquier L, Petit F, Pfundt R, Plessis G, Rajcan-Separovic E, Paolo RG, Rauch A, Ravazzolo R, Reis A, Renieri A, Richart C, Ried JS, Rieubland C, Roberts W, Roetzer KM, Rooryck C, Rossi M, Saemundsen E, Satre V, Schurmann C, Sigurdsson E, Stavropoulos DJ, Stefansson H, Tengstrom C, Thorsteinsdottir U, Tinahones FJ, Touraine R, Vallee L, van BE, Van der Aa N, Vincent-Delorme C, Visvikis-Siest S, Vollenweider P, Volzke H, Vulto-van Silfhout AT, Waeber G, Wallgren-Pettersson C, Witwicki RM, Zwolinski S, Andrieux J, Estivill X, Gusella JF, Gustafsson O, Metspalu A, Scherer SW, Stefansson K, Blakemore AI, Beckmann JS, Froguel P: Mirror extreme BMI phenotypes associated with gene dosage at the chromosome 16p11.2 locus. *Nature* 478:97-102, 2011. [\[Pub-Med\]](#)

3. Forer L, Schönherr S, Weißensteiner H, Specht G, Kronenberg F, Kloss-Brandstätter A: Cloud computing: bringing computational power to medical genetics. In: Trajanoski Z, ed. Computational Medicine. Wien: Springer-Verlag, 2012:27-36. [Book chapter]
4. Schönherr S\*, Forer L\*, Weißensteiner H, Kronenberg F, Specht G, Kloss-Brandstätter A: Cloudgene: a graphical execution platform for MapReduce programs on private and public clouds. *BMC Bioinformatics* 13:200, 2012. [\[Pub-Med\]](#)
5. Lamina C, Forer L, Schönherr S, Kollerits B, Ried JS, Gieger C, Peters A, Wichmann HE, Kronenberg F: Evaluation of gene–obesity interaction effects on cholesterol levels: A genetic predisposition score on HDL-cholesterol is modified by obesity. *Atherosclerosis* 225:363-369, 2012. [\[Pub-Med\]](#)
6. Weissensteiner H\*, Haun M\*, Schönherr S, Neuner M, Forer L, Specht G, Kloss-Brandstätter A, Kronenberg F, Coassin S: SNPflow: a lightweight application for the processing, storing and automatic quality checking of genotyping assays. *PLoS One*. 8: e59508, 2013. [\[Pub-Med\]](#)
7. Forer L, Lipic T, Schönherr S, Weißensteiner H, Davidovic D, Kronenberg F, Afgan E: Delivering Bioinformatics MapReduce Applications in the Cloud. *Information and Communication Technology, Electronics and Microelectronics (MIPRO), 2014 37th International Convention* 373-377, 2014.
8. Summerer M, Horst J, Erhart G, Weissensteiner H, Schönherr S, Pacher D, Forer L, Horst D, Manhart A, Horst B, Sanguansermsri T, Kloss-Brandstätter A: Large-scale mitochondrial DNA analysis in Southeast Asia reveals evolutionary effects of cultural isolation in the multi-ethnic population of Myanmar. *BMC. Evol. Biol.* 14:17, 2014. [\[Pub-Med\]](#)


	<b>Bioinformatic algorithms and database solutions for efficient data-mining in order to discover the genetic basis of complex diseases</b>	
<b>Name:</b>	Sebastian Schönherr	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	2/2009 – 06/2014	

### Main publications:

1. Forer L, Schönherr S, Weissensteiner H, Haider F, Kluckner T, Gieger C, Wichmann HE, Specht G, Kronenberg F, Brandstätter A: CONAN: Copy Number Variation Analysis Software for Genome-Wide Association Studies. *BMC Bioinformatics* 11:318, 2010. [\[Pub-Med\]](#)
2. Weißensteiner H\*, Schönherr S\*, Specht G, Kronenberg F, Brandstätter A: eCOMPAGT integrates mtDNA: import, validation and export of mitochondrial DNA profiles for population genetics, tumour dynamics and genotype-phenotype association studies. *BMC Bioinformatics* 11:122, 2010. [\[Pub-Med\]](#)
3. Kloss-Brandstätter A, Pacher D, Schönherr S, Weissensteiner H, Binna R, Specht G, Kronenberg F: HaploGrep: a fast and reliable algorithm for automatic classification of mitochondrial DNA haplogroups. *Human Mutation* 32:25-32, 2011. [\[Pub-Med\]](#)




4. Forer L, Schönherr S, Weißensteiner H, Specht G, Kronenberg F, Kloss-Brandstätter A: Cloud computing: bringing computational power to medical genetics. In: Trajanoski Z, ed. Computational Medicine. Wien: Springer-Verlag, 2012:27-36. [Book chapter]
5. Lamina C, Forer L, Schönherr S, Kollerits B, Ried JS, Gieger C, Peters A, Wichmann HE, Kronenberg F: Evaluation of gene–obesity interaction effects on cholesterol levels: A genetic predisposition score on HDL-cholesterol is modified by obesity. **Atherosclerosis** 225:363-369, 2012. [\[Pub-Med\]](#)
6. Schönherr S\*, Forer L\*, Weißensteiner H, Kronenberg F, Specht G, Kloss-Brandstätter A: Cloudgene: a graphical execution platform for MapReduce programs on private and public clouds. **BMC Bioinformatics** 13:200, 2012. [\[Pub-Med\]](#)
7. Schönherr S, Specht G: Big data in genetics. 87-90, 2013. In: Barden M, Ostermann A, eds. Scientific Computing @ uibk. Innsbruck university press, Innsbruck, 2013: 87-90. [Book chapter].
8. Weissensteiner H\*, Haun M\*, Schönherr S, Neuner M, Forer L, Specht G, Kloss-Brandstätter A, Kronenberg F, Coassin S: SNPflow: a lightweight application for the processing, storing and automatic quality checking of genotyping assays. **PLoS One**. 8: e59508, 2013. [\[Pub-Med\]](#)
9. Forer L, Lipic T, Schönherr S, Weißensteiner H, Davidovic D, Kronenberg F, Afgan E: Delivering Bioinformatics MapReduce Applications in the Cloud. **Information and Communication Technology, Electronics and Microelectronics (MIPRO), 2014 37th International Convention** 373-377, 2014.
10. Summerer M, Horst J, Erhart G, Weissensteiner H, Schönherr S, Pacher D, Forer L, Horst D, Manhart A, Horst B, Sanguanserm Sri T, Kloss-Brandstätter A: Large-scale mitochondrial DNA analysis in Southeast Asia reveals evolutionary effects of cultural isolation in the multi-ethnic population of Myanmar. **BMC. Evol. Biol.** 14:17, 2014. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Evaluation of the glycoprotein afamin in the metabolic syndrome, cardiovascular disease and cancer</b>	
<b>Name:</b>	<b>Andreas Melmer</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> and Christoph Ebenbichler (Univ. Clinic of Internal Medicine)	
<b>Time:</b>	10/2010 – 04/2014	

### Main publications:

1. Melmer A, Lamina C, Tschoner A, Ress C, Kaser S, Laimer M, Sandhofer A, Paulweber B, Ebenbichler CF: Body Adiposity Index and other indexes of body composition in the SAPHIR study: association with cardiovascular risk factors. **Obesity** 21:775-781, 2013. [\[Pub-Med\]](#)
2. Melmer A, Fineder L, Lamina C, Kollerits B, Dieplinger B, Braicu I, Sehouli J, Cadron I, Vergote I, Mahner S, Zeimet AG, Castillo-Tong DC, Ebenbichler CF, Zeillinger R, Dieplinger H: Plasma concentrations of the vitamin E-binding protein afamin are associated with overall and progression-free survival and platinum sensitivity in serous ovarian cancer—a study by the OVCAD consortium. **Gynecol. Oncol.** 128:28-43, 2013. [\[Pub-Med\]](#)


3. [Kronenberg F](#), [Kollerits B](#), [Kiechl S](#), [Lamina C](#), [Kedenko L](#), [Meisinger C](#), [Willeit J](#), [Huth C](#), [Wietzorrek G](#), [Altmann ME](#), [Thorand B](#), [Melmer A](#), [Dähnhardt D](#), [Santer P](#), [Rathmann W](#), [Paulweber B](#), [Koenig W](#), [Peters A](#), [Adham IM](#), [Dieplinger H](#): Plasma concentrations of afamin are associated with the prevalence and development of metabolic syndrome. *Circ. Cardiovasc. Genet.* 7:822-829, 2014. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Association of relative telomere length with cardiovascular diseases, cancer and kidney disease</b>	
<b>Name:</b>	<b>Julia Raschenberger</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	<a href="#">Anita Kloss-Brandstätter</a> and <a href="#">Florian Kronenberg</a>	
<b>Time:</b>	05/2010 – 07/2014	

#### Main publications:


- [Raschenberger J](#), [Kollerits B](#), [Hammerer-Lercher A](#), [Rantner B](#), [Stadler M](#), [Haun M](#), [Klein-Weigel P](#), [Fraedrich G](#), [Kronenberg F](#): The association of relative telomere length with symptomatic peripheral arterial disease: Results from the CAVASIC Study. *Atherosclerosis* 229:469-474, 2013. [\[Pub-Med\]](#)
- [Raschenberger J](#), [Kollerits B](#), [Titze S](#), [Köttgen A](#), [Bärthlein B](#), [Ekici AB](#), [Forer L](#), [Schönherr S](#), [Weissensteiner H](#), [Haun M](#), [Wanner C](#), [Eckardt KU](#), [Kronenberg F](#): Do telomeres have a higher plasticity than thought? Results from the German chronic kidney disease (GCKD) study as a high-risk population. *Exp. Gerontol.* 72:162-166, 2015. [\[Pub-Med\]](#)
- [Raschenberger J\\*](#), [Kollerits B\\*](#), [Titze S](#), [Köttgen A](#), [Bärthlein B](#), [Ekici AB](#), [Forer L](#), [Schönherr S](#), [Weissensteiner H](#), [Haun M](#), [Wanner C](#), [Eckardt KU](#), [Kronenberg F](#): Association of relative telomere length with cardiovascular disease in a large chronic kidney disease cohort: the GCKD study. *Atherosclerosis* 242:529-34, 2015. [\[Pub-Med\]](#)
- [Willeit P\\*](#), [Raschenberger J\\*](#), [Heydon EE](#), [Tsimikas S](#), [Haun M](#), [Mayr A](#), [Weger S](#), [Witztum JL](#), [Butterworth AS](#), [Willeit J](#), [Kronenberg F](#), [Kiechl S](#): Leucocyte Telomere Length and Risk of Type 2 Diabetes Mellitus: New Prospective Cohort Study and Literature-Based Meta-Analysis. *PLoS. ONE.* 9:e112483, 2014. [\[Pub-Med\]](#)
- [Broer L\\*](#), [Raschenberger J\\*](#), [Deelen J\\*](#), [Mangino M](#), [Codd V](#), [Pietilainen KH](#), [Albrecht E](#), [Amin N](#), [Beekman M](#), [de Craen AJ](#), [Gieger C](#), [Haun M](#), [Henneman P](#), [Herder C](#), [Hovatta I](#), [Laser A](#), [Kedenko L](#), [Koenig W](#), [Kollerits B](#), [Moilanen E](#), [Oostra BA](#), [Paulweber B](#), [Quaye L](#), [Rissanen A](#), [Roden M](#), [Surakka I](#), [Valdes AM](#), [Vuolteenaho K](#), [Thorand B](#), [Van Dijk KW](#), [Kaprio J](#), [Spector TD](#), [Slagboom PE](#), [Samani NJ\\*](#), [Kronenberg F\\*](#), [Van Duijn CM\\*](#), [Ladwig KH\\*](#): Association of adiponectin and leptin with relative telomere length in seven independent cohorts including 11,448 participants. *Eur. J. Epidemiol.* 29:629-638, 2014. [\[Pub-Med\]](#)



<b>Title:</b>	<b>Longitudinal investigation of risk factors in patients with kidney diseases</b>	
<b>Name:</b>	<b>Gisela Sturm</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	3/2008 – 11/2011	

**Main publication:**


1. [Sturm G](#), Lamina C, Zitt E, Lhotta K, Lins F, Freistätter O, Neyer U, Kronenberg F: Sex-specific association of time-varying hemoglobin values with mortality in incident dialysis patients. *Nephrology, Dialysis, Transplantation* 25:2715-2722, 2010. [\[PDF\]](#)
2. [Sturm G](#), Lamina C, Zitt E, Lhotta K, Haider F, Neyer U, [Kronenberg F](#): Association of HbA1c values with mortality and cardiovascular events in diabetic dialysis patients. The INVOR Study and review of the literature. *PLoS One*. 6:e20093, 2011. [\[Pub-Med\]](#)
3. Knoll F\*, [Sturm G\\*](#), Lamina C, Zitt E, Lins F, Freistätter O, [Kronenberg F](#), Lhotta K, Neyer U: Coumarins and survival in incident dialysis patients. *Nephrology, Dialysis, Transplantation* 27:332-337, 2012. [\[Pub-Med\]](#)
4. Gouya G\*, [Sturm G\\*](#), Lamina C, Zitt E, Freistätter O, Struck J, Wolzt M, Knoll F, Lins F, Lhotta K, Neyer U, [Kronenberg F](#): The association of mid-regional pro-adrenomedullin and mid-regional pro-atrial natriuretic peptide with mortality in an incident dialysis cohort. *PLoS One* 6:e17803, 2011. [\[Pub-Med\]](#)
5. [Kollerits B](#), [Sturm G](#), Lamina C, Hammerer-Lercher A, [Rantner B](#), Stadler M, Ziera T, Struck J, Klein-Weigel P, Fraedrich G, [Kronenberg F](#): Comparison and evaluation of cardiac biomarkers in patients with intermittent claudication: Results from the CAVASIC Study. *Clin. Chem.* 59:692-702, 2013. [\[Pub-Med\]](#)

<b>Title:</b>	<b>In-depth characterization for genetic variants in lipoprotein metabolism</b>	
<b>Name:</b>	<b>Stefan Coassin</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	05/2007 - 02/2011	

**Main publications:**

1. [Coassin S](#), [Brandstätter A](#), [Kronenberg F](#): An optimized procedure for the design and evaluation of Ecotilling assays. *BMC Genomics* 9:510, 2008. [\[Pub-Med\]](#)


2. Coassin S, Brandstätter A, Kronenberg F: Lost in the space of bioinformatic tools: a constantly updated survival guide for genetic epidemiology. The GenEpi Toolbox. *Atherosclerosis* 209:321-335, 2010. [\[Pub-Med\]](#)
3. Coassin S, Schweiger M, Kloss-Brandstätter A, Lamina C, Haun M, Erhart G, Paulweber B, Rahman Y, Olpin S, Wolinski H, Cornaciu I, Zechner R, Zimmermann R, Kronenberg F: Investigation and functional characterization of rare genetic variants in the adipose triglyceride lipase in a large healthy working population. *PLoS Genetics* 6:e1001239, 2010. [\[Pub-Med\]](#)
4. Lamina C\*, Coassin S\*, Illig T, Kronenberg F: Look beyond one's own nose: Combination of information from publicly available sources reveals an association of *GATA4* polymorphisms with plasma triglycerides. *Atherosclerosis* 219:698-703, 2011. [\[Pub-Med\]](#)
5. Pike GN, Jones S, Coassin S, Kronenberg F, Will A: Jordan's anomaly in a case of Chanarin-Dorfman syndrome. *British Journal of Haematology* 155:412-412, 2011. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Genetic epidemiological investigations of candidate genes and intermediate phenotypes involved in lipoprotein metabolism and cardiovascular disease</b>	
<b>Name:</b>	<b>Barbara Kollerits</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	05/2005 - 02/2009	

#### Main publications:


1. Kollerits B, Coassin S, Beckmann ND, Teumer A, Kiechl S, Döring A, Kavousi M, Hunt SC, Lamina C, Paulweber B, Kutalik Z, Nauck M, Van Duijn CM, Heid IM, Willeit J, Brandstätter A, Adams TD, Mooser V, Aulchenko YS, Völzke H, Kronenberg F: Genetic evidence for a role of adiponutrin in the metabolism of apolipoprotein B-containing lipoproteins. *Human Molecular Genetics* 18:4669-4676, 2009. [\[Pub-Med\]](#)
2. Kollerits B, Coassin S, Kiechl S, Hunt SC, Paulweber B, Willeit J, Brandstätter A, Lamina C, Adams TD, Kronenberg F: A common variant in the adiponutrin gene influences liver enzyme levels. *Journal of Medical Genetics* 47:116-119, 2010. [\[Pub-Med\]](#)
3. Lingenhel A\*, Kollerits B\*, Schwaiger JP, Hunt SC, Gress R, Hopkins PN, Schoenborn V, Heid IM, Kronenberg F: Serum bilirubin levels, UGT1A1 polymorphisms and risk for coronary artery disease. *Experimental Gerontology* 43:1102-1107, 2008. [\[Pub-Med\]](#)
4. Kollerits B\*, Auinger M\*, Reisig V, Kästenbauer T, Lingenhel A, Irsigler K, Prager R, Kronenberg F: Lipoprotein(a) as a predictor of cardiovascular disease in a prospectively followed cohort of patients with type 1 diabetes. *Diabetes Care* 29:1661-1663, 2006. [\[Pub-Med\]](#)

\* Authors contributed equally

<b>Title:</b>	<b>Prospective investigation of CardioVAscular and cerebrovascular risk factors in patients with Intermittent Claudication: The CAVASIC Study</b>	
<b>Name:</b>	<b>Barbara Rantner</b>	
<b>Type of work:</b>	PhD thesis (part-time besides clinical duties)	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	09/2002 - 03/2009	

**Main publications:**

1. [Rantner B](#), Kollerits B, Anderwald-Stadler M, Klein-Weigel P, Gruber I, Gehringer A, Haak M, Schnapka-Köpf M, Fraedrich G, Kronenberg F: Association between the UGT1A1 TA-repeat polymorphism and bilirubin concentrations in patients with intermittent claudication: results from the CAVASIC Study. *Clinical Chemistry* 54:851-857, 2008. [\[Pub-Med\]](#)
2. Lamina C, Meisinger C, Heid IM, Löwel H, [Rantner B](#), Koenig W, Kronenberg F, for the KORA Study Group: Association of ankle-brachial index and plaques in the carotid and femoral arteries with cardiovascular events and total mortality in a population-based study with 13-years of follow-up. *European Heart Journal* 27:2580-2587, 2006. [\[Pub-Med\]](#)
3. Kollerits B, Heinrich J, Pichler M, [Rantner B](#), Klein-Weigel P, Wölke G, Brasche S, Strube G, Kronenberg F: Intermittent claudication in the Erfurt Male Cohort (ERFORT) Study: Its determinants and the impact on mortality. A population-based prospective cohort study with 30 years of follow-up. *Atherosclerosis* 198:214-222, 2008. [\[Pub-Med\]](#)


<b>Title:</b>	<b>Genetic-Epidemiological Investigations on Lipid Metabolism: Candidate Gene Approach versus Genome-Wide Association Studies</b>	
<b>Name:</b>	<b>Eva Boes</b>	
<b>Type of work:</b>	MD / PhD thesis (part-time)	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	01/2004 - 03/2009	

**Main publications:**

1. [Boes E](#), Fliser D, Ritz E, König P, Lhotta K, Mann JFE, Müller GA, Neyer U, Riegel W, Riegler P, Kronenberg F, for the MMKD Study Group: Apolipoprotein A-IV predicts progression of chronic kidney disease: The Mild to Moderate Kidney Disease (MMKD) Study. *Journal of the American Society of Nephrology* 17:528-536, 2006. [\[Pub-Med\]](#)

2. Boes E, Kollerits B, Heid IM, Hunt SC, Pichler M, Paulweber B, Coassin S, Adams TD, Hopkins PN, Lingenhel A, Wagner SA, Kronenberg F: *INSIG2* polymorphism is neither associated with body mass index nor with phenotypes of lipoprotein metabolism. *Obesity* 16:827-833, 2008. [\[Pub-Med\]](#)
3. Heid IM, Boes E, Müller AM, Kollerits B, Lamina C, Coassin S, Gieger C, Döring A, Klopp N, Frikke-Schmidt R, Tybjærg-Hansen A, Brandstätter A, Luchner A, Meitinger T, Wichmann HE, Kronenberg F: Genome-wide association analysis of high-density lipoprotein cholesterol in the population-based KORA Study sheds new light on intergenic regions. *Circulation: Cardiovascular Genetics* 1:10-20, 2008. [\[Pub-Med\]](#)
4. Boes E, Coassin S, Kollerits B, Heid IM, Kronenberg F: Genetic-epidemiological evidence on genes associated with HDL cholesterol levels: A systematic in-depth review. *Experimental Gerontology* 44:136-160, 2009. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Antisense Wirkstoffe zur Therapie der Hyperlipämie</b>
<b>Name:</b>	<b>Ramesh Tripathi</b>
<b>Type of work:</b>	MD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	11/2007 - 11/2008


<b>Title:</b>	<b>Expression of Afamin in cell culture and animal models</b>	
<b>Name:</b>	<b>Susanne Olscher</b>	
<b>Type of work:</b>	PhD thesis	
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>	
<b>Time:</b>	11/2007 -	

<b>Title:</b>	<b>Nicht-invasive Diagnostik bei Endometriose – Afamin als potentieller Biomarker</b>
<b>Name:</b>	<b>Theresa Czech</b>
<b>Type of work:</b>	MD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> (together with Ludwig Wildt, Univ. Clinic for Gynecological Endocrinology and Reproductive Medicine)
<b>Time:</b>	05/2007- 06/2008

**Main publication:**

1. Seeber BE, Czech T, Buchner H, Barnhardt KT, Seger C, Daxenbichler G, Wildt L, Dieplinger H: The vitamin E-binding protein afamin is altered significantly in the peritoneal fluid of women with endometriosis. *Fertility and Sterility* 94:2923-2926, 2010.

[\[Pub-Med\]](#)

<b>Title:</b>	<b>Genetic epidemiological investigations of the adipose triglyceride lipase (ATGL)</b>	
<b>Name:</b>	<b>Veit Schoenborn</b>	
<b>Type of work:</b>	MD thesis	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	02/2004 - 10/2005	

**Main publications:**

1. Schoenborn V\*, Heid IM\*, Vollmert C\*, Lingenhel A, Adams TD, Hopkins PN, Illig T, Zimmermann R, Zechner R, Hunt SC, Kronenberg F: The ATGL gene is associated with free fatty acids, triglycerides and type 2 diabetes. *Diabetes* 55:1270-1275, 2006.
2. Schoenborn V, Gohlke H, Heid IM, Illig T, Utermann G, Kronenberg F: Sample selection algorithm to improve quality of genotyping from plasma-derived DNA: to separate the wheat from the chaff. *Human Mutation* 28:1141-1149, 2007.

[\[Pub-Med\]](#)

[\[Pub-Med\]](#)

\* Authors contributed equally

<b>Title:</b>	<b>The vitamin E-binding protein afamin – further biochemical characterisation and possible clinical significance in fertility and neuroprotection</b>
<b>Name:</b>	<b>Paul-Christoph Lüth</b>
<b>Type of work:</b>	MD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	10/2002 - 11/2003

**Main publication:**

1. Jackson D, Craven RA, Richard, Hutson C, Graze I, Lueth P, Tonge RP, Hartley JL, Nickson JA, Rayner SJ, Johnston C, Dieplinger B, Hubalek M, Wilkinson N, Perren TJ, Kehoe S, Hall GD, Daxenbichler G, Dieplinger H, Selby PJ, Banks RE : Proteomic Profiling Identifies Afamin as a Potential Biomarker for Ovarian Cancer. *Clinic Cancer Research* 13: 7370-7379, 2007



<b>Title:</b>	<b>Analyse der Proteinzusammensetzung der Follikelflüssigkeit mittels zwei-dimensionaler Gelelektrophorese</b>
<b>Name:</b>	<b>Barbara Schantl</b>
<b>Type of work:</b>	MD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	05/2000 - 04/2001

<b>Title:</b>	<b>Metabolism of lipoprotein(a) and apolipoprotein A-IV in the human kidney</b>
<b>Name:</b>	<b>Marina Haiman</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	11/1999 - 05/2004

**Main publications:**

1. [Haiman M](#), Salvenmoser W, Scheiber K, Lingenhel A, Rudolph C, Schmitz G, Kronenberg F, Dieplinger H: Immunohistochemical localization of apolipoprotein A-IV in human kidney tissue. *Kidney International* 68:1130-1136, 2005. [\[Pub-Med\]](#)
2. Ezeh B, [Haiman M](#), Alber HF, Kunz B, Paulweber B, Kraft HG, Weidinger F, Pachinger O, Dieplinger H, Kronenberg F: Plasma distribution of apoA-IV in patients with coronary artery disease and healthy controls. *Journal of Lipid Research* 44:1523-1529, 2003. [\[Pub-Med\]](#)

<b>Title:</b>	<b>In vivo metabolism of Lp(a) and LDL in humans</b>
<b>Name:</b>	<b>Michael Frischmann</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	1998 - 2002

**Main publications:**

1. [Frischmann ME](#), [Kronenberg F](#), [Trenkwalder E](#), [Schaefer J](#), [Schweer H](#), [Dieplinger B](#), [König P](#), [Ikewaki K](#), [Dieplinger H](#): In vivo turnover study demonstrates diminished clearance of lipoprotein(a) in hemodialysis patients. *Kidney International* 71:1036-1043, 2007. [\[Pub-Med\]](#)

2. Ikewaki K, Schaefer JR, Frischmann ME, Okubo K, Hosoya T, Mochizuki S, Dieplinger B, Trenkwalder E, Schweer H, Kronenberg F, Koenig P, Dieplinger H: Delayed in vivo catabolism of Intermediate-Density Lipoprotein and Low-Density Lipoprotein in hemodialysis patients as potential cause of premature atherosclerosis. *Arteriosclerosis, Thrombosis and Vascular Biology* 25:2615-2622, 2005. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Exogenous effects on the plasma concentration and lipoprotein distribution of apolipoprotein A-IV</b>
<b>Name:</b>	<b>Benjamin Ezeh</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> and <a href="#">Florian Kronenberg</a>
<b>Time:</b>	11/1998 - 04/2002

**Main publications:**

1. Jerkovic L, Voegelé AF, Chwatal S, Kronenberg F, Radcliffe CM, Wormald MR, Lobentanz EM, Ezeh B, Eller P, Dejori N, Dieplinger B, Lottspeich F, Sattler W, Uhr M, Mechtler K, Dwek RA, Rudd PM, Baier G, Dieplinger H: Afamin is a novel human vitamin E-binding glycoprotein. Characterization and in vitro expression. *Journal of Proteome Research* 4:889-899, 2005. [\[Pub-Med\]](#)
2. Ezeh B, Haiman M, Alber HF, Kunz B, Paulweber B, Kraft HG, Weidinger F, Pachinger O, Dieplinger H, Kronenberg F: Plasma distribution of apoA-IV in patients with coronary artery disease and healthy controls. *Journal of Lipid Research* 44:1523-1529, 2003. [\[Pub-Med\]](#)
3. Kratz M, Wahrburg U, Von Eckardstein A, Ezeh B, Assmann G, Kronenberg F: Dietary mono- and polyunsaturated fatty acids similarly increase plasma apolipoprotein A-IV concentrations in healthy men and women. *Journal of Nutrition* 133:1821-1825, 2003. [\[Pub-Med\]](#)
4. von Eckardstein A, Crook D, Elbers J, Ragoobir J, Ezeh B, Helmond F, Miller N, Dieplinger H, Bannink HC, Assmann G: Tibolone lowers high density lipoprotein cholesterol by increasing hepatic lipase activity but does not impair cholesterol efflux. *Clinical Endocrinology* 58:49-58, 2003. [\[Pub-Med\]](#)

<b>Title:</b>	<b>In vivo turnover von Lp(a) im menschlichen Plasma</b>
<b>Name:</b>	<b>Evi Trenkwalder</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> and <a href="#">Florian Kronenberg</a>
<b>Time:</b>	01/1996 - 11/1999

**Main publications:**

1. Kronenberg F, Lingenhel A, Friedrich G, Trenkwalder E, Lhotta K, Schober M, Moes N, König P, Utermann G, Dieplinger H: Renovascular arteriovenous differences in Lp(a) plasma concentrations suggest removal of Lp(a) from the renal circulation. *Journal of Lipid Research* 38: 1755-1763, 1997. [\[Pub-Med\]](#)
2. Koch M, Kutkuhn B, Trenkwalder E, Bach D, Grabensee B, Dieplinger H, Kronenberg F: Apolipoprotein B, fibrinogen, HDL cholesterol and apolipoprotein(a) phenotypes predict coronary artery disease in hemodialysis patients. *Journal of the American Society of Nephrology* 8: 1889-1898, 1997. [\[Pub-Med\]](#)
3. Kronenberg F, Trenkwalder E, Kronenberg MF, König P, Utermann G, Dieplinger H: Influence of hematocrit on the measurement of lipoproteins demonstrated by the example of lipoprotein(a). *Kidney International* 54: 1385-1389, 1998. [\[Pub-Med\]](#)
4. Kronenberg F, Neyer U, Lhotta K, Trenkwalder E, Auinger M, Pribasnig A, Meisl T, König P, Dieplinger H: The low molecular weight apo(a) phenotype is an independent predictor for coronary artery disease in hemodialysis patients: a prospective follow-up. *Journal of the American Society of Nephrology* 10: 1027-1036, 1999. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Apo(a)-isoform-independent quantification of Lp(a) in human plasma</b>
<b>Name:</b>	<b>Markus Hohenegger</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	06/1996 - 04/1999

**Main publication:**

1. Kraft HG, Lingenhel A, Raal FJ, Hohenegger M, Utermann G: Lipoprotein(a) in homozygous familial hypercholesterolemia. *Arteriosclerosis, Thrombosis, and Vascular Biology* 20:522-528, 2000. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Molecular analysis of a human plasma protein from the albumin gene family</b>
<b>Name:</b>	<b>Sabine Chwatal</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	04/1993 – 08/1996

**Main publication:**

1. Jerkovic L, Voegelé AF, Chwatal S, Kronenberg F, Radcliffe CM, Wormald MR, Lobentanz EM, Ezeh B, Eller P, Dejori N, Dieplinger B, Lottspeich F, Sattler W, Uhr M, Mechtler K, Dwek RA, Rudd PM,

Baier G, Dieplinger H: Afamin is a novel human vitamin E-binding glycoprotein. Characterization and in vitro expression. *Journal of Proteome Research* 4:889-899, 2005.

[\[Pub-Med\]](#)

<b>Title:</b>	<b>Afamin im liquor cerebrospinalis - Implikationen für neurodegenerative Erkrankungen</b>
<b>Name:</b>	<b>Patricia Eller</b>
<b>Type of work:</b>	MD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	1997 - 09/1998

**Main publications:**

1. Voegele AF, Jerkovic L, Wellenzohn B, Eller P, Kronenberg F, Liedl KR, Dieplinger H: Characterization of the vitamin E-binding properties of human serum afamin. *Biochemistry* 41:14532-14538, 2002. [\[Pub-Med\]](#)
2. Jerkovic L, Voegele AF, Chwatal S, Kronenberg F, Radcliffe CM, Wormald MR, Lobentanz EM, Ezeh B, Eller P, Dejeri N, Dieplinger B, Lottspeich F, Sattler W, Uhr M, Mechtler K, Dwek RA, Rudd PM, Baier G, Dieplinger H: Afamin is a novel human vitamin E-binding glycoprotein. Characterization and in vitro expression. *Journal of Proteome Research* 4:889-899, 2005. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Lipoprotein(a) bei nierentransplantierten Patienten - Eine prospektive Untersuchung</b>
<b>Name:</b>	<b>Lisa Kerschdorfer</b>
<b>Type of work:</b>	MD thesis
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>
<b>Time:</b>	until 06/1998

**Main publication:**

1. Kerschdorfer L, König P, Neyer U, Bösmüller C, Lhotta K, Auinger M, Hohenegger MM, Riegler P, Margreiter R, Utermann G, Dieplinger H, Kronenberg F: Lipoprotein(a) plasma concentrations after renal transplantation: a prospective evaluation after 4 years of follow-up. *Atherosclerosis* 144:381-391, 1999. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Biochemical characterization of a vitamin E-binding protein from human plasma</b>
<b>Name:</b>	<b>Lidija Jerkovic</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	1993 - 02/1997

**Main publications:**

1. Voegele AF, [Jerkovic L](#), Wellenzohn B, Eller P, Kronenberg F, Liedl KR, Dieplinger H: Characterization of the vitamin E-binding properties of human serum afamin. *Biochemistry* 41:14532-14538, 2002. [\[Pub-Med\]](#)
2. Heiser M, Hutter-Paier B, [Jerkovic L](#), Pfragner R, Windisch M, Becker-Andre M, Dieplinger H: Vitamin E binding protein afamin protects neuronal cells in vitro. *Journal of Neural Transmission* Suppl. 62:337-345, 2002. [\[Pub-Med\]](#)
3. [Jerkovic L](#), Voegele AF, Chwatal S, Kronenberg F, Radcliffe CM, Wormald MR, Lobentanz EM, Ezeh B, Eller P, Dejori N, Dieplinger B, Lottspeich F, Sattler W, Uhr M, Mechtler K, Dwek RA, Rudd PM, Baier G, Dieplinger H: Afamin is a novel human vitamin E-binding glycoprotein. Characterization and in vitro expression. *Journal of Proteome Research* 4:889-899, 2005. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Intrazelluläre Lokalisation von Apolipoprotein(a) in menschlichem Lebergewebe</b>
<b>Name:</b>	<b>Gerhard Gruber</b>
<b>Type of work:</b>	PhD thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	1990 - 1992


**Main publications:**


1. [Lobentanz EM](#), [Krasznai K](#), [Gruber A](#), Brunner C, Muller HJ, Sattler J, Kraft HG, Utermann G, [Dieplinger H](#): Intracellular metabolism of human apolipoprotein(a) in stably transfected Hep G2 cells. *Biochemistry* 37:5417-5425, 1998. [\[Pub-Med\]](#)
2. [Dieplinger H](#), [Gruber G](#), [Krasznai K](#), Reschauer S, Seidel C, Burns G, Müller H-J, Császár A, Vogel W, Robenek H, Utermann G: Kringle 4 of human apolipoprotein[a] shares a linear antigenic site with human catalase. *Journal of Lipid Research* 36:813-822, 1995. [\[Pub-Med\]](#)

[\[top\]](#)



## Finished Master and Diploma Theses


<b>Title:</b>	<b>Characterisation of afamin as novel tumor marker for ovarian cancer</b>	
<b>Name:</b>	<b>Martina Stadel (geb. Rein)</b>	
<b>Type of work:</b>	MD diploma thesis	
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> and Irene Huber (Division of Virology)	
<b>Time:</b>	07/2012 – 06/2015	


<b>Title:</b>	<b>Genetic Polymorphisms of the main Transcription factors for Adiponectin Gene Promoter in Regulation of Adiponectin Levels: Association Analysis in three European Cohorts</b>	
<b>Name:</b>	<b>Lyudmyla Kedenko</b>	
<b>Type of work:</b>	Diplomarbeit	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	01/2012 - 06/2012	


### Main publication:

1. [Kedenko L](#), [Lamina C](#), [Kiesslich T](#), [Kapur K](#), [Bergmann S](#), [Waterworth D](#), [Heid IM](#), [Wichmann HE](#), [Kedenko I](#), [Kronenberg F](#), [Paulweber B](#).: Genetic polymorphisms of the main transcription factors for adiponectin gene promoter in regulation of adiponectin levels: association analysis in three European cohorts. **PLoS One** 2012;7(12):e52497. doi: 10.1371/journal.pone.0052497. Epub 2012 Dec 21.

[\[Pub-Med\]](#)

<b>Title:</b>	<b>Characterisation of the plasma protein Afamin</b>	
<b>Name:</b>	<b>Jeremias Hagen</b>	
<b>Type of work:</b>	Bachelor thesis	
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>	
<b>Time:</b>	07/2010 -06/2011	


<b>Title:</b>	<b>The vitamin E-binding Afamin is elevated in patients with polycystic ovary Syndrome</b>	
<b>Name:</b>	<b>Elisabeth Morandell</b>	
<b>Type of work:</b>	MD diploma thesis	
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> (together with Ludwig Wildt, Univ. Clinic for Gynecological Endocrinology and Reproductive Medicine)	
<b>Time:</b>	06/2010 -12/2010	

<b>Title:</b>	<b>Genome-wide association studies based on copy number variations: A new bioinformatical challenge</b>	
<b>Name:</b>	<b>Lukas Forer</b>	
<b>Type of work:</b>	Master thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	03/2009 - 12/2009	

**Main publication:**

1. Forer L, Schönherr S, Weissensteiner H, Haider F, Kluckner T, Gieger C, Wichmann HE, Specht G, Kronenberg F, Brandstätter A: CONAN: Copy Number Variation Analysis Software for Genome-Wide Association Studies. *BMC Bioinformatics* 11:318, 2010.

[\[Pub-Med\]](#)

<b>Title:</b>	<b>Age- and sex- related reduction of relative telomere length over ten years in the population-based BRUNECK study: introduction of a high-throughput, well-controlled real-time PCR genotyping assay</b>	
<b>Name:</b>	<b>Silvia Ehrlenbach</b>	
<b>Type of work:</b>	Master thesis	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a> und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	07/2008 - 03/2009	


**Main publication:**

1. Ehrlenbach S, Willeit P, Kiechl S, Willeit J, Reindl M, Schanda K, Kronenberg F, [Brandstätter A](#): Influences on the reduction of relative telomere length over ten years in the population-based Bruneck Study: introduction of a well-controlled high-throughput assay. *International Journal of Epidemiology* 38:1725-1734, 2009. [\[Pub-Med\]](#)
2. Willeit P, Willeit J, [Brandstätter A](#), Ehrlenbach S, Mayr A, Gasperi A, Weger S, Oberhollenzer F, Reindl M, [Kronenberg F](#), Kiechl S: Cellular aging reflected by leukocyte telomere length predicts advanced atherosclerosis and cardiovascular disease risk. *Arteriosclerosis Thrombosis and Vascular Biology* 30:1649-1656, 2010. [\[Pub-Med\]](#)
3. [Ehrlenbach S](#), Willeit P, Kiechl S, Willeit J, Reindl M, Schanda K, [Kronenberg F](#), [Brandstätter A](#): Raising the bar on telomere epidemiology. *International Journal of Epidemiology* 39:308-309, 2010. [\[Pub-Med\]](#)

<b>Title:</b>	<b>DARVIN: A Database Supported Algorithm for Rapid Genomic Variation Inference and Prediction</b>	
<b>Name:</b>	<b>Thomas Kluckner</b>	
<b>Type of work:</b>	Master thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	03/2008 - 06/2009	

<b>Title:</b>	<b>DARVIN: A Database Supported Algorithm for Rapid Genomic Variation Inference and Prediction</b>	
<b>Name:</b>	<b>Florian Haider</b>	
<b>Type of work:</b>	Master thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	03/2008 - 06/2009	


<b>Title:</b>	<b>Afamin als neuer Marker für die Alzheimer'sche Erkrankung</b>
<b>Name:</b>	<b>Michaela Mair</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	01/2008 - 07/2008

<b>Title:</b>	<b>GenDB - Eine Genom-Datenbank zur integrierten Speicherung von Genotypen und Phänotypen</b>	
<b>Name:</b>	<b>Sebastian Schönherr</b>	
<b>Type of work:</b>	Master thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	09/2007 - 05/2008	

**Main publication:**

1. Schoenherr S, Weissensteiner H, Coassin S, Specht G, Kronenberg F, [Brandstätter A](#): eCOMPAGT - efficient Combination and Management of Phenotypes and Genotypes for Genetic Epidemiology. *BMC Bioinformatics* 10:139, 2009.


[\[Pub-Med\]](#)


<b>Title:</b>	<b>GenDB - Eine Genom-Datenbank zur integrierten Speicherung von Genotypen und Phänotypen</b>	
<b>Name:</b>	<b>Hansi Weissensteiner</b>	
<b>Type of work:</b>	Master thesis	
<b>Supervisor:</b>	Günther Specht und <a href="#">Anita Kloss-Brandstätter</a>	
<b>Time:</b>	09/2007 - 05/2008	

**Main publication:**

1. Schoenherr S, Weissensteiner H, Coassin S, Specht G, Kronenberg F, [Brandstätter A](#): eCOMPAGT - efficient Combination and Management of Phenotypes and Genotypes for Genetic Epidemiology. *BMC Bioinformatics* 10:139, 2009.

[\[Pub-Med\]](#)

<b>Title:</b>	<b>Ecotilling for mutation screening in the human genome as alternative method to sequencing</b>	
<b>Name:</b>	<b>Stefan Coassin</b>	
<b>Type of work:</b>	Diploma thesis	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	02/2006 - 03/2007	

<b>Title:</b>	<b>Uric acid as a risk factor for progression of non-diabetic chronic kidney disease? The Mild to Moderate Kidney Disease (MMKD) Study</b>	
<b>Name:</b>	<b>Gisela Sturm</b>	
<b>Type of work:</b>	Master thesis	
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>	
<b>Time:</b>	03/2007 - 11/2007	

**Main publication:**

1. [Sturm G](#), Kollerits B, Neyer U, Ritz E, Kronenberg F, for the MMKD Study Group: Uric acid as a risk factor for progression of non-diabetic chronic kidney disease? The Mild to Moderate Kidney Disease (MMKD) Study. *Experimental Gerontology* 43:347-352, 2008.

[\[Pub-Med\]](#)



<b>Title:</b>	<b>Enzyme-linked immunosorbent assay (ELISA) for mouse afamin</b>
<b>Name:</b>	<b>Maria Thöni</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	01/2006 - 07/2006

<b>Title:</b>	<b>Molecular-genetic analysis of the human afamin gene in patients with male infertility syndromes</b>
<b>Name:</b>	<b>Angelika Jamnig</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	10/2005 - 11/2006

<b>Title:</b>	<b>The influence of lipid-lowering medication on the in-vivo metabolism of atherogenic lipoproteins in patients with end-stage renal disease</b>
<b>Name:</b>	<b>Ramona Berberich</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	07/2005 - 05/2006

<b>Title:</b>	<b>Qualitätsmanagement - Benchmarking im Bereich der Division für Genetische Epidemiologie</b>
<b>Name:</b>	<b>Silvia Lechner</b>
<b>Type of work:</b>	Master thesis
<b>Supervisor:</b>	<a href="#">Florian Kronenberg</a>
<b>Time:</b>	05/2005 - 06/2006

<b>Title:</b>	<b>Biochemical characterization of the vitamin E-Binding properties of Afamin</b>
<b>Name:</b>	<b>Andreas Voegele</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	1998 - 05/1999

**Main publications:**

1. [Voegele AE](#), [Jerkovic L](#), [Wellenzohn B](#), [Eller P](#), [Kronenberg F](#), [Liedl KR](#), [Dieplinger H](#): Characterization of the vitamin E-binding properties of human serum afamin. *Biochemistry* 41:14532-14538, 2002. [\[Pub-Med\]](#)
2. [Jerkovic L](#), [Voegele AF](#), [Chwatal S](#), [Kronenberg F](#), [Radcliffe CM](#), [Wormald MR](#), [Lobentanz EM](#), [Ezeh B](#), [Eller P](#), [Dejori N](#), [Dieplinger B](#), [Lottspeich F](#), [Sattler W](#), [Uhr M](#), [Mechtler K](#), [Dwek RA](#), [Rudd PM](#), [Baier G](#), [Dieplinger H](#): Afamin is a novel human vitamin E-binding glycoprotein. Characterization and in vitro expression. *Journal of Proteome Research* 4:889-899, 2005. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Immunhistologische Lokalisation von Lipoprotein(a) in der menschlichen Niere</b>
<b>Name:</b>	<b>Ivo Leiter</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	02/1998 - 02/2000

<b>Title:</b>	<b>Distribution of apo A-IV in human plasma</b>
<b>Name:</b>	<b>Marina Haiman</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> (together with Ivana Weygand-Durasevic (University of Zagreb))
<b>Time:</b>	03/1998 – 04/1999

**Main publication:**

1. [Ezeh B](#), [Haiman M](#), [Alber HF](#), [Kunz B](#), [Paulweber B](#), [Kraft HG](#), [Weidinger F](#), [Pachinger O](#), [Dieplinger H](#), [Kronenberg F](#): Plasma distribution of apoA-IV in patients with coronary artery disease and healthy controls. *Journal of Lipid Research* 44:1523-1529, 2003. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Freies Apo(a) im menschlichen Plasma</b>
<b>Name:</b>	<b>Evi Trenkwalder</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a> and <a href="#">Florian Kronenberg</a>
<b>Time:</b>	02/1994 - 10/1995

**Main publications:**

1. Kronenberg F, [Trenkwalder E](#), Dieplinger H, Utermann G: Lipoprotein(a) in stored plasma samples and the ravages of time: why epidemiological studies might fail. *Arteriosclerosis, Thrombosis and Vascular Biology* 16:1568-1572, 1996. [\[Pub-Med\]](#)
2. [Trenkwalder E](#), Gruber A, König P, Dieplinger H, Kronenberg F: Increased plasma concentrations of LDL-unbound apo(a) in patients with end-stage renal disease. *Kidney International* 52:1685-1692, 1997. [\[Pub-Med\]](#)
3. Kronenberg F, [Trenkwalder E](#), Sturm W, Kathrein H, König P, Neyer U, Gröchenig E, Utermann G, Dieplinger H: LDL-unbound apolipoprotein(a) and carotid atherosclerosis in hemodialysis patients. *Clinical Genetics* 52:377-386, 1997. [\[Pub-Med\]](#)

<b>Title:</b>	<b>Intrazelluläres Prozessieren von Apolipoprotein(a)</b>
<b>Name:</b>	<b>Eva-Maria Lobentanz</b>
<b>Type of work:</b>	Diploma thesis
<b>Supervisor:</b>	<a href="#">Hans Dieplinger</a>
<b>Time:</b>	12/1994 – 11/1995

**Main publications:**

1. [Lobentanz EM](#), [Krasznai K](#), [Gruber A](#), Brunner C, Muller HJ, Sattler J, Kraft HG, Utermann G, [Dieplinger H](#): Intracellular metabolism of human apolipoprotein(a) in stably transfected Hep G2 cells. *Biochemistry* 37:5417-5425, 1998. [\[Pub-Med\]](#)
2. [Lobentanz EM](#), [Dieplinger H](#): Biogenesis of lipoprotein(a) in human and animal hepatocytes. *Electrophoresis* 18:2677-2681, 1997. (Review) [\[Pub-Med\]](#)
3. Brunner C, [Lobentanz EM](#), Pethö-Schramm A, Ernst A, Kang C, [Dieplinger H](#), Müller HJ, Utermann G: The number of identical kringle IV repeats in apolipoprotein(a) affects its processing and secretion by HepG2 cells. *Journal of Biological Chemistry* 271:32403-32410, 1996. [\[Pub-Med\]](#)
4. Frank S, Krasznai K, Durovic S, [Lobentanz EM](#), [Dieplinger H](#), Wagner E, Zatloukal K, Cotten M, Utermann G, Kostner GM, Zechner R: High-level expression of various apolipoprotein(a) isoforms

by "transferrinfection": The role of kringle IV sequences in the extracellular association with low-density lipoprotein. **Biochemistry** 33:12329-12339, 1994.

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