

Curriculum vitae

Dr. Wolfgang Skala

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Personal details

born 26th September 1984 in Schärding (Upper Austria)
Nationality Austria

Experience

- 06/2017 to present *Postdoc*, University of Salzburg, Faculty of Natural Sciences, Department of Molecular Biology, Christian Doppler Laboratory for Innovative Tools for Biosimilar Characterization, Hellbrunner Straße 34, 5020 Salzburg.
- Setting up and implementing algorithms & workflows for biosimilar analysis
 - High-throughput data analysis consultation and training for scientists and research assistants
- 09/2014 to 05/2017 *Assistant to the CEO*, Pointner & Rothschädl Ges.m.b.H., Münchner Bundesstraße 121, 5020 Salzburg.
- Managerial accounting and business reporting
 - Support and customization of the company's ERP software
 - Financial accounting for eleven group companies based in seven European countries
- 10/2010 to 06/2014 *PhD student*, University of Salzburg, Faculty of Natural Sciences, Department of Molecular Biology, Structural Biology Group, Billrothstraße 11, 5020 Salzburg.
- Biochemical and structural characterization of kallikrein-related peptidase 2
 - Tutor for laboratory and mathematics courses
- 07/2005, 08/2007 *Emergency medical technician*, Austrian Red Cross, National Association Upper Austria, District Office Schärding, Othmar-Spanlang-Straße 2, 4780 Schärding.
- 10/2003 to 09/2004 *Community service*, Austrian Red Cross, National Association Upper Austria, District Office Schärding, Othmar-Spanlang-Straße 2, 4780 Schärding.

Education

- 09/2010 to 09/2014 Doctoral study of Natural Sciences
(University of Salzburg, Department of Molecular Biology)
Promotio sub auspiciis Praesidentis rei publicae
- 03/2011 to 02/2015 Bachelor's degree program of Business Administration and Economics
(FernUniversität in Hagen)
passed with final grade *Sehr gut (1,1)*
- 09/2013 to 04/2014 Financial accountant (Wifi Salzburg)
passed *with distinction*
- 10/2008 to 08/2010 Joint program of Molecular Biology
(University of Salzburg, University of Linz)
passed *with distinction*
- 10/2005 to 09/2008 Joint program of Molecular Biosciences
(University of Salzburg, University of Linz)
passed *with distinction*
- 10/2004 to 09/2005 One semester of Organ Performance (Anton Bruckner University Linz)
and of Musicology and Dance Studies (University of Salzburg)
- 09/1995 to 06/2003 Secondary school Schärding
school leaving examination passed *with distinction*

Skills

- Language German (native)
English (fluent)
- Computer Expert knowledge of Python (SciPy Stack), L^AT_EX and LilyPond
Practical knowledge of R, Lua, Java
Sound knowledge of MS Office including VBA programming
- 10/2004 to present *Volunteer*, Austrian Red Cross, National Association Upper Austria, District Office
Schärding, Othmar-Spanlang-Straße 2, 4780 Schärding.
– Emergency medical technician with permission to drive ambulance vehicles
– Practical instructor
– Leadership training levels 1 and 2
– Critical incident stress management peer
- 03/2004 to present *Continuo player (organ)*, Cantorey der Kirche der Barmherzigen Brüder Schärding.
– Realization of figured bass notation according to 18th century practice
– Editor of practical editions of 18th century sacral music
- Driver's license B

Salzburg, June 2017



Bibliography

1. Peer-reviewed publications

Guo S, Skala W, Magdolen V, Briza P, Biniossek ML, Schilling O, Kellermann J, Brandstetter H, and Goettig P (2016).

A single glycan at the 99-loop of human kallikrein-related peptidase 2 regulates activation and enzymatic activity.

J. Biol. Chem. 291(2), 593–604.

Skala W, Utzschneider DT, Magdolen V, Debela M, Guo S, Craik CS, Brandstetter H, and Goettig P (2014).

Structure-function analyses of human kallikrein-related peptidase 2 establish the 99-loop as master regulator of activity.

J. Biol. Chem. 289(49), 34267–34283.

Guo S, Skala W, Magdolen V, Brandstetter H, and Goettig P (2014).

Sweetened kallikrein-related peptidases (KLKs): Glycan trees as potential regulators of activation and activity.

Biol. Chem. 395(9), 959–976.

Skala W, Goettig P, and Brandstetter H (2013).

Do-it-yourself histidine-tagged bovine enterokinase: A handy member of the protein engineer's toolbox.

J. Biotechnol. 168(4), 421–425.

2. Theses

Die Lösung des restringierten Steinerbaum-Problems mittels lokaler Suchverfahren.

Bachelor thesis (supervisor: Friedhelm Kulmann), FernUniversität in Hagen, 2015.

Biochemical and structural characterization of human kallikrein-related peptidase 2 activated by do-it-yourself histidine-tagged bovine enterokinase.

PhD thesis (supervisors: Hans Brandstetter and Peter Goettig), University of Salzburg, 2014.

Putative macaque and orangutan homologues of tripeptidyl-peptidase II underline the importance of its C-terminal part for enzymatic activity and proper oligomerization.

Master thesis (supervisor: Hans Brandstetter), University of Salzburg, 2010.

Crystallization: From art to science.

Bachelor thesis (supervisor: Hans Brandstetter), University of Salzburg, 2008.

Determining the current-voltage characteristic: An electrophysiological study on Aquaporin-6.

Bachelor thesis (supervisor: Peter Pohl), Johannes Kepler University Linz, 2007.

3. Software

The *pgfgantt* package v4.0.

L^AT_EX package, 2013 (CTAN: <http://www.ctan.org/pkg/pgfgantt>).

The *pgfmolbio* package vo.21.
L^AT_EX package, 2013 (CTAN: <http://www.ctan.org/pkg/pgfmolbio>).

The *cpssp* package vi.o.
L^AT_EX package, 2009 (CTAN: <http://www.ctan.org/pkg/cpssp>).

4. Scores

Jan Dismas Zelenka: Missa Votiva ZWV 18 (Dresden, 1739).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-D-33 (full score and parts).
International Music Score Library Project, 2016.

Jan Dismas Zelenka: Missa Dei Patris ZWV 19 (Dresden, 1740).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-D-II (full score and parts).
International Music Score Library Project, 2017.

Jan Dismas Zelenka: Missa Dei Filii ZWV 20 (Dresden, 1740/41).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-D-15 (full score and parts).
International Music Score Library Project, 2017.

Jan Dismas Zelenka: Missa Omnium Sanctorum ZWV 21 (Dresden, 1741).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-D-9 (full score and parts).
International Music Score Library Project, 2017.

Jan Dismas Zelenka: Christe eleison ZWV 29 (Dresden, 1740).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-D-79 (full score and parts).
International Music Score Library Project, 2017.

Jan Dismas Zelenka: Credo ZWV 31 (Dresden, 1740).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2170-D-7 (full score and parts).
International Music Score Library Project, 2017.

Jan Dismas Zelenka: Ecce nunc benedicte ZWV 99 (Dresden, 1739).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-D-70 (full score and parts).
International Music Score Library Project, 2017.

Jan Dismas Zelenka: Litaniae lauretanae "Consolatrix afflictorum" ZWV 151 (Dresden, 1744).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-D-51 (full score and parts).
International Music Score Library Project, 2017.

- Jan Dismas Zelenka: Sub tuum praesidium ZWV 157 (Dresden, 1734).
Critical edition after the composer's manuscript from the Staatsbibliothek zu Berlin – Preußischer Kulturbesitz, siglum Mus. ms. autogr. Zelenka, J. D. 1 M (full score and parts).
 International Music Score Library Project, 2016.
- Jan Dismas Zelenka: Da pacem, Domine ZWV 167 (Dresden, 1740).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-E-42 (full score and parts).
 International Music Score Library Project, 2017.
- Jan Dismas Zelenka: Veni Sancte Spiritus ZWV 210 (Dresden, 1739).
Critical edition after the composer's manuscript from the Archive of the Dresden Hofkapelle, siglum Mus. 2358-E-24 (full score and parts).
 International Music Score Library Project, 2017.
- Anton Cajetan Adlgasser: Litaniae Lauretanae AWV 3.05.
Practical edition after a copy from the Bayerische Staatsbibliothek München, siglum Mus. mss. 8377 (full score and parts).
 International Music Score Library Project, 2016.
- Antonio Caldara: Missa Providentiae (Copy: Dresden, 1726–1733).
Practical edition after a copy from the Archive of the Dresden Hofkapelle, siglum Mus. 2170-D-7 (full score and parts).
 International Music Score Library Project, 2017.
- Baldassare Galuppi: Nisi Dominus BurG II/48.
Practical edition after a copy from the Archive of the Dresden Hofkapelle, siglum Mus. 2973-D-38 (full score and parts).
 International Music Score Library Project, 2016.
- Johann Michael Haydn: Sub tuum praesidium MH 654 (Salzburg, 1797).
Practical edition after a copy from the Bayerische Staatsbibliothek München, siglum Mus. mss. 423 (full score and parts).
 International Music Score Library Project, 2016.
- Georg Reutter d. Ä. (d. J.?): Missa Suscipe Deprecationem Nostram.
Practical edition after a copy from the Archive of the Dresden Hofkapelle, siglum Mus. 2979-D-8 (full score and parts).
 International Music Score Library Project, 2016.