

Lebenslauf

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Falk Markus

I-39031 Bruneck
A-1180 Wien



Persönliche Angaben

Staatsangehörigkeit: Italien

Alter: 06.08.1967

Geburtsort: Wiesbaden (D)

Ausbildung

1986 - 1991

Studium der Mathematik mit Nebenfach Statistik und Informatik
Universität Innsbruck
mit Auszeichnung bestanden

Sprachkenntnisse

Deutsch (Muttersprache), Englisch, Italienisch

Programmierkenntnisse

SQL-Server, Oracle DB, C#, Matlab, R, Visual Basic, IIS, C-Side

Statistikpakete

SPSS®, Matlab®, R, SAS, BMDP, Stata

Beruflicher Werdegang

Nov. 1991 - Feb. 1992

Forschungsprojekt des FWF P7873-MED
Institut für Biostatistik (Prof. A. Neiß)

März 93 - Nov. 94

Universitätsassistent und Interimistischer Vorstand des Institutes für Biostatistik

Mai 1994 - Feb. 1995

Mitglied der Ethikkommission an der Medizinischen Fakultät Innsbruck

März 1994

Forschungsaufenthalt am "Department of Applied Mathematics", Masaryk University, Brno, Czech Republik

März 95 - Dez. 96

Freiberuflicher Auftrag zum Aufbau des Tumorregisters Südtirol

1995-1997

Statistischer Berater: der Univ. Kliniken für Anästhesie, Urologie, Pädiatrie an der Univ. Klinik Innsbruck

1994 - 1998

Berufung zum Abteilungsleiter des Sonderforschungsbereiches SFB386 "Online Monitoring" am Institut für med. Statistik und Epidemiologie (IMSE) der TU-München, Klinikum rechts der Isar.

Juni 97	Forschungsaufenthalt am "Institute of Industrial Mathematical Sciences", University of Manitoba, Winnipeg, Manitoba, Canada
1998 - 2001	Statistischer Berater der Versuchsanstalt Laimburg (Bozen)
1998 - 2015	Geschäftsführer der Gesellschaft Inova Q GmbH, Softwareentwicklung, IT-Consultancy, Data-Warehousing
2006 - 2015	Statistischer Berater des Tumorregister Südtirol
2014 - 2022	Statistischer Berater des Instituts für Alpine Notfallmedizin, EURAC, Bozen
ab 2015	Freiberuflicher Biostatistiker und Data Evangelist (e-science)
ab 2015	Vorstandsmitglied Förderverein The FoodCoop
2020-2023	Modellierung des SARS-CoV2 Ausbruchs in Südtirol und Wien

Lehrtätigkeit

1992-1995	Dozent für Biostatistik an der Medizinischen Fakultät. Universität Innsbruck. Austria
1992-1995	Dozent für Biostatistik an der Fakultät für Biologie. Universität Innsbruck. Austria
1995-1999	Dozent für Biometrie an der Medizinischen Fakultät. Technische Universität München. Germany
1999-2000	Dozent für Medizinische Informatik am Management Centrum Innsbruck
Ab 1996	Dozent für Medizinische Statistik/Biostatistik und Informatik Fachhochschule für Gesundheitsberufe. Bozen, Italien Università Cattolica del Sacro Cuore, Rom Università degli Studi di Ferrara Università degli Studi di Verona

Auszeichnungen

1. Eduard-Wallnöfer-Anerkennungspreis, Innsbruck 1992
2. Georg Grabner Sondervermögen, Wien 1994

Publikationen

1. Brugger H., Falk M.: Neue Perspektiven zur Lawinenverschüttung (New perspectives of avalanche disasters. Phase classification using pathophysiologic considerations). Wien Klin Wochenschr 104/6:167-173 (1992)
2. Brugger H., Falk M.: Phaseneinteilung der Lawinenverschüttung. Rundbrief der Gesellschaft für Alpin- und Höhenmedizin 7:27-28 (1992)
3. Brugger H., Falk M.: Die 4 Phasen der Lawinenverschüttung. AVS-Mitteilungen 1:3-6 (1992)
4. Brugger H., Falk M.: Die lebensentscheidenden ersten 15 Minuten nach Lawinenniedergang. Neue Züricher Zeitung 27. Feb.: 39-40 (1992)
5. Brugger H., Falk M.: Die vier Phasen der Lawinenverschüttung. Österreichischer Alpenverein, Mitteilungen 6:22-24 (1992)
6. Brugger H., Falk M.: Die vier Phasen der Lawinenverschüttung. Die Alpen,

- Monatsbulletin des Schweizer Alpen Clubs 9:414-416 (1992)
7. Brugger H., Falk M.: Le quattro fasi del seppellimento da valanga. Neve e Valanghe 16:24-31 (1992)
 8. Ennemoser O, Ambach W, Brunner P, Schneider P, Neiß A, Falk M: Außergewöhnlich hohe Radonkonzentrationen; Österreichische Hochschulzeitung Nr. 9/44.; Bauen und Wohnen (1992)
 9. Brugger H., Falk M.: Neue Aspekte zur Überlebenschance bei Lawinenverschüttung. Bergsteiger & Bergwanderer 2: 79-83 (1993)
 10. Brugger H, Falk M: Die vier Phasen der Lawinenverschüttung. Die Alpen, Monatsbulletin des Schweizer Alpen Clubs 9: 414-416 (1992)
 11. Brugger H, Falk M: Die vier Phasen der Lawinenverschüttung. Österreichischer Alpenverein, Mitteilungen 6: 22-24 (1992)
 12. Bonatti J, Weiss W, Talirz G, Weimann S, Flora G, Falk M: Verschluß-, aneurysma- und infektionsbedingte Rezidiveingriffe nach Aortengabelrekonstruktion. Angio Archiv 24: 68-72 (1993)
 13. Brugger H., Falk M.: Vier Phasen der Lawinenverschüttung. Notfallmedizin 2: 68-73 (1993)
 14. Thaler J, Gastl G, Fluckinger T, Niederwieser D, Huber H, Seewann H, Silly H, Lang A, Abbrederis C, Gadner H, Fereberger W, Schiller L, Köck L, Fridrik M, Duba C, Falk M, Berger M, Kür T, Huber C: Treatment of Chronic Myelogenous Leukemia With Interferon Alfa-2c: Response Rate Toxicity in a Phase II Multicenter Study. Seminars in Hematology, Vol 30, No 3, Suppl 3: 17-19 (1993)
 15. Antretter H, Cottogni M, Falbesoner C, Furtwängler W, Mair P, Falk M, Hutter J: Bioprothesendegeneration in Aorten- und Mitralposition - Ergebnisse und Probleme aus kardiochirurgischer Sicht. Wien Med Wochenschr 143/1: 281-287 (1993)
 16. Brugger H, Falk M: Kaksne so možnosti, da ostanemo zivi pod snegom?; Zivljenje in Tehnika, Januar: 46-51, Lubljana, Slowenien (1993)
 17. Brugger H, Falk M: Les 4 stades de l'envelisment sous l'avalanche. Neige et avalanches 65: 14-18 ANENA Grenoble (1994)
 18. Brugger H, Falk M: Survie en avalanche. La montagne & alpinisme 1: 42-45, Paris (1994)
 19. Falk M, Brugger H, Adler Kastner L: Avalanche survival chances. Nature 368: 21 (1994)
 20. Mühlberger V, Probst P, Mlczoch J, Klein W, Pachinger O, Falk M, Raudaschl G: Qualitätskontrolle für Invasive und Interventionelle Kardiologie in Österreich im Kalenderjahr 1993. Der Mediziner Nr.6: 48-53 (1994)
 21. Stuppaeck C H, Barnas C, Falk M, Guenther V, Hummer M, Oberbauer H, Pycha R, Whitworth A B, Fleischhacker W W: Assessment of the alcohol withdrawal syndrome - validity and reliability of the translated and modified Clinical Institute Withdrawal Assessment for Alcohol scale (CIWA-A). Addiction 89: 1287-1292 (1994)
 22. Mühlberger V, Porbst P, Mlczoch J, Klein W, Pachinger O, Falk M, Raudaschl G: Qualitätssicherung Invasiver Interventioneller Kardiologie in Österreich 1993. Perfusion 10: 344-361 (1994)
 23. Falk M, Brugger H, Kastner L: Avalanche survival chances. The Newsletter of the International Society for Mountain Medicine Vol 4, Nr 3: 2-4, Geneva (1994)

24. Brugger H, Durer B, Falk M: Sepolti da Valanga: Considerazioni Mediche. *Neve e Valanghe* 22:40-43 (1994)
25. Germann R, Haisjackl M, Hasibeder W, Sparr H, Luz G, Plattner R, Pernthaler H, Friesenecker B, Falk M: Dopamine and mucosal oxygenation in the porcine jejunum. *J. Appl. Physiol.* 77(6): 2845-2852 (1994)
26. Ransmayr-G; Kunig-G; Neubauer-M; Wagner-M; Falk-M: Effect of age and disease duration on parkinsonian motor scores under levodopa therapy. *J-Neural-Transm-Park-Dis-Dement-Sect*; 9(2-3): 177-88 (1995)
27. Fink FM; Maurer-Dengg K; Fritsch G; Mann G; Zoubek A; Falk M; Gardner H: Recombinant human granulocyte-macrophage colony-stimulating factor in septic neutropenic pediatric cancer patients: detection of circulating hematopoietic precursor cells correlates with rapid granulocyte recovery. *Med Pediatr Oncol (United States)*, 25(5) p365-71 (1995)
28. Fink FM; Genser N; Fink C; Falk M; Cardiac troponin T and creatine kinase MB mass concentrations in children receiving anthracycline chemotherapy. *Med Pediatr Oncol (United States)*, 25(3) p185-9 (1995)
29. Kremser BG; Falk M; Kieselbach GF. Influence of serum lipid fractions on the course of diabetic macular edema after photocoagulation. *Ophthalmologica (Switzerland)*, 209(2) p60-3 (1995)
30. Stenzl A; Draxl H; Posch B; Colleselli K; Falk M; Bartsch G: The risk of urethral tumors in female bladder cancer: can the urethra be used for orthotopic reconstruction of the lower urinary tract? *J Urol (United States)*, 153(3 Pt 2) p950-5 (1995)
31. Eisterer W; Hilbe W; Fend F; Ludescher C; Falk M; Thaler J: Identification of a favorable subgroup of patients with generalized immunocytomas by follicular dendritic cells. *Leukemia (England)*, 9(2) p254-9 (1995)
32. Fridrik-MA; Hausmaninger-H; Linkesch-W; Stoger-M; Sill-H; Neubauer-M; Seewann-HL; Klocker-J; Haidinger-R; Schiller-L; Pont-J; Raudaschl-G; Falk-M; Radaszkiewicz-T: CEOP-IMVP-Dexa in the treatment of aggressive lymphomas: an Austrian multicenter trial. *J-Clin-Oncol*; 14(1): 227-32 (1996)
33. Erckert M, Stenzl A, Falk M, Bartsch G: Incidence of urethral tumor involvement in 910 men with bladder cancer. *World J Urol* 14, 3-8 (1996)
34. Baubin M, Schirmer M, Nogler M, Semenitz B, Falk M, Kroesen G, Hortnagl H, Gilly H: Rescuer's work capacity and duration of cardiopulmonary resuscitation. *Resuscitation*: 33(2): 135-9 (1996)
35. Hummer M, Sperner-Unterweger B, Kemmler G, Falk M, Kurz M, Oberbauer H, Fleischhacker WW: Does eosinophilia predict clozapine induced neutropenia? *Psychopharmacology-Berl.*: 124(1-2):201-4 (1996)
36. Matz-H, Falk M, Gottinger W, Kieselbach G: Cost-benefit analysis of diabetic eye disease. *Ophthalmologica*: 210(6): 348-53 (1996)
37. Geiger R, Ellemunter H, Fink FM, Falk M, Tilg H: Circulating interleukin-1 receptor antagonist levels in neonates. *Eur-J-Pediatr*: 155(9): 811-4 (1996)
38. Prior C, Falk-M, Frank A: Early sensitization to farming-related antigens among young farmers. analysis of risk factors. *Int-Arch-Allergy-Immunol.*: 11(2): 182-7 (1996)
39. Thaler J, Gastl G, Fluckinger T, Niederwieser D, Huber H, Seewann-H, Sill-H, Lang-A, Falk M, Duba C, Utermann G, Kuhr T, Aulitzky W, Huber C: Interferon alpha-2c therapy of patients with chronic myelogenous leukemia: long-term results of a multicenter phase-II study. *Ann-Hematol.*: 72(69): 349-55 (1996)
40. Hala K, Malin G, Dietrich H, Loesch U, Boeck G, Wolf H, Kaspers B,

- Geryk J, Falk M, Boyd RL: Analysis of the initiation period of spontaneous autoimmune thyroiditis (SAT) in obese strain (OS) of chickens. *J- Autoimmun.*: 9(2): 129-38 (1996)
41. Erckert-M, Stenzl A, Falk M, Bartsch G: Incidence of urethral tumor involvement in 910 men with bladder cancer. *World-J-Urol.*: 14(1): 3-8 (1996)
 42. Brugger M, Falk M, Adler-Kastner L: *Avalanche Emergency*. *Wien-Klein-Wochenschr.*: 109(5): 145-59 (1997)
 43. Baubin M, Schirmer M, Nogler M, Semenitz B, Falk M, Kroesen G, Hortnagl H, Gilly H: Active compression-decompression cardiopulmonary resuscitation in standing position over the patient: pros and cons of a new method. *Resuscitation*: 34(19): 7-10 (1997)
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 45. Brugger H, Falk M, Adler-Kastner L.: *Avalanche emergency*. New aspects of the pathophysiology and therapy of buried avalanche victims. *Wien Klin Wochenschr*. 1997 Mar 14;109(5):145-59. Review. German.
 46. Simma B, Burger R, Falk M, Sacher P, Fanconi S.: A prospective, randomized, and controlled study of fluid management in children with severe head injury: lactated Ringer's solution versus hypertonic saline. *Crit Care Med*. 1998 Jul;26(7):1265-70.
 47. Pramstaller PP, Falk M, Schoenhuber R, Poewe W.: Validation of a mail questionnaire for parkinsonism in two languages (German and Italian). *J Neurol*. 1999 Feb;246(2):79-86.
 48. Moschen I, Berger P, Falk M, Horl R, Horle M, Gausch K.: Comparison of resin-bonded prosthesis groove parallelism with the use of four tooth preparation methods. *J Prosthet Dent*. 1999 Oct;82(4):398-409.
 49. Simma B, Skladal D, Falk M.: Predicting survival infants ventilated with high-frequency oscillation. *Wien Klin Wochenschr*. 2000 Sep 29;112(18):804-10.
 50. Prior C, Falk M, Frank A.: Longitudinal changes of sensitization to farming-related antigens among young farmers. *Respiration*. 2001;68(1):46-50.
 51. Simma B, Burger R, Falk M, Sacher P, Torresani T, Fanconi S.: The release of antidiuretic hormone is appropriate in response to hypovolemia and/or sodium administration in children with severe head injury: a trial of lactated Ringer's solution versus hypertonic saline. *Anesth Analg*. 2001 Mar;92(3):641-5.
 52. Brugger H, Durrer B, Adler-Kastner L, Falk M, Tschirky F.: Field management of avalanche victims. *Resuscitation*. 2001 Oct;51(1):7-15.
 53. Brugger H, Sumann G, Meister R, Adler-Kastner L, Mair P, Gunga HC, Schobersberger W, Falk M.: Hypoxia and hypercapnia during respiration into an artificial air pocket in snow: implications for avalanche survival. *Resuscitation*. 2003 Jul;58(1):81-8.
 54. Brugger H, Elsensohn F, Syme D, Sumann G, Falk M.: A survey of emergency medical services in mountain areas of Europe and North America: official recommendations of the International Commission for Mountain Emergency Medicine (ICAR Medcom). *High Alt Med Biol*. 2005 Fall;6(3):226-37.
 55. Huber M, Telser S, Falk M, Bohm A, Hackenberg B, Schwitzer J, Hinterhuber H.: Information transmission defect identified and localized in

- language learning impaired children by means of electrophysiology. *Cortex*. 2005 Aug;41(4):464-70.
56. Brugger H, Elsensohn F, Syme D, Sumann G, Falk M.: A survey of emergency medical services in mountain areas of Europe and North America: official recommendations of the International Commission for Mountain Emergency Medicine (ICAR Medcom). *High Alt Med Biol*. 2005 Fall;6(3):226-37.
 57. Huber M, Telser S, Falk M, Bohm A, Hackenberg B, Schwitzer J, Hinterhuber H.: Information transmission defect identified and localized in language learning impaired children by means of electrophysiology. *Cortex*. 2005 Aug;41(4):464-70.
 58. Mayr A, Kuipers H, Falk M, Santer P, Wierer B.: Comparison of hematologic data in world elite junior speed skaters and in non-athletic juniors. *Int J Sports Med*. 2006 Apr;27(4):283-8.
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 64. Brugger H, Paal P, Falk M.; Outcry stopped approved pig study of avalanche survival. *Nature*. 2010 Feb 18;463(7283):877.
 65. Paal P, Falk M, Gruber E, Beikircher W, Ellerton J, Kainz H, Wenzel V, Brugger H. Effects of training time and feedback on ventilation skills in lay rescuers. *Emerg Med J*. 2010 Apr;27(4):313-6.
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 69. AIRTUM Working Group: Italian cancer figures, report 2011: Survival of cancer patients in Italy: *Epidemiol Prev*. 2011 Sep-Dec;35(5-6 Suppl 3):1-200.
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71. Haegeli P, Falk M, Brugger H, Etter HJ, Boyd J.: Comparison of avalanche survival patterns in Canada and Switzerland. *CMAJ*. 2011 Apr 19;183(7):789-95. Epub 2011 Mar 21.
72. Paal P, Strapazzon G, Braun P, Ellmauer PP, Schroeder DC, Sumann G, Werner A, Wenzel V, Falk M, Brugger H. Factors affecting survival from avalanche burial--a randomised prospective porcine pilot study. *Resuscitation*. 2013 Feb;84(2):239-43
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85. Strapazzon G, Paal P, Schweizer J, Falk M, Reuter B, Schenk K, Gatterer H, Grasegger K, Dal Cappello T, Malacrida S, Riess L, Brugger H. Effects of snow properties on humans breathing into an artificial air pocket - an

experimental field study. *Sci Rep*. 2017

86. Brugger H, Pun M, Swenson ER, Falk M. Research in High-Altitude and Mountain Emergency Medicine: Is Methodology Key? *High Alt Med Biol*. 2018 Mar;19(1):1-3.
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