

Curriculum vitae Maurizio Calcagni

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Maurizio Calcagni, MD
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1. Curriculum vitae



- Name, Surname:** Maurizio CALCAGNI, born in Turin (Italien) on March the 12th, 1965
- Academic degree:** Senior Lecturer (Privat Dozent) in Plastic Surgery and Hand Surgery, Medical Doctor, Specialist in Plastic and Reconstructive Surgery, Specialist in Hand Surgery, CAS Managing Medicine in Health Care Organisations
- Actual position:** Deputy Director, Responsible for the Hand Surgery Training Programme, Div. Plastic Surgery and Hand Surgery, University Hospital Zurich
- Nationality:** Italian
- Marital status:** married to Anna Paola Supino – Calcagni
- Children:** Pietro, born December 19th, 1999
Beatrice, born December 16th, 2002
Isabella, born April 25th, 2005
- Work address:** Division of Plastic Surgery and Hand Surgery
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Private address: Jupiterstrasse 27
CH-8032 Zurich
Switzerland
phone: +41-79-306 1235

Military rank: Lieutenant of the Sanitary Corp, Italian Army

Language skills: Italian (mother language), fluent spoken and written German, fluent spoken and written English (CEDT, TOEFL equivalent, on the 16.09.1983 at the Vanderbilt University, Nashville, Tennessee, USA), fluent spoken and written French (Alliance Française, on the 30.06.1982 in Turin, Italy). Latin and ancient Greek (School knowledge)

2. Professional development

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| July 24, 1983 | Classical High School degree (ancient greek and latin), College S. Giuseppe in Turin (Italy) |
| September 1983 – October 1989 | Medical school. University of Turin Faculty of Medicine, Italy |
| March 1985 – November 1989 | Intern student at the Department of Human Anatomy and Physiology, Section of Anatomy, Laboratory of Neuroendocrinology of the University of Turin (Prof. Carla Viglietti-Panzica) |
| November 14, 1989 | Graduation from University of Turin, Faculty of Medicine (Italy) with a thesis of Anatomy: "Morphological and quantitative analysis of peripheral nerve regeneration after experimental lesion repaired with microsurgical technique" Prof. Carla Viglietti-Panzica, Department of Human Anatomy and Physiology, University of Turin, Italy |
| January 31, 1990 | State Exam and registration in the Professional Medical Board of Turin, Italy |
| Mai 1990 – July 1990 | Officers Training School of the Sanitary Corp, Italian Army, Florence (Italy) |
| August 1990-August 1991 | Director of the Sanitary Service of the Higher Academy (Scuola di Applicazione Militare) of the Italian Army, Turin (Italy), |
| August 1991 – June 1992 | Voluntary trainee at the Department of Traumatic Plastic Surgery and Burn Centre of the Trauma and Orthopaedic Centre in Turin Italy (Prof. G. Magliacani) |
| July 11, 1994 | Specialized in Plastic and Reconstructive Surgery at the |

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| | University of Turin (Italy) with a research post-doctoral thesis: "Sensitive re-innervation of scars and transplanted skin. Morphological analysis with an antiserum anti-PGP 9.5" Prof. Dr. med V. Bergonzelli, Institute of Plastic and Reconstructive Surgery, University of Turin, Italy |
| June 1992 – March 1996 | Trainee in the Dept of Traumatic Plastic Surgery and Burn Centre of the Trauma and Orthopaedic Centre in Turin, Italy (Prof. G. Magliacani) |
| Mai 1995 | Winner of the "G. Whitaker" Fellowship for Specialization in Plastic Surgery and Therapy of Burns of the "G. Whitaker" Foundation, Palermo, Italy |
| April 1996 – November 1996 | Resident at the Institut de La Main, Clinique Jouvenet, Paris, France (Prof. Alain Gilbert) |
| January 1997 – September 1999 | Senior Surgeon in the Department of Traumatic Plastic Surgery and Burn Centre of the Trauma and Orthopaedic Centre in Turin, Italy (Prof. G. Magliacani) |
| November 1993 – December 1997 | Member (co-Founder) of the multidisciplinary Service for Microsurgical and Hand Emergencies of the Trauma and Orthopaedic Centre in Turin (Coordinator: Prof. P. Gallinaro) |
| January 1998 – July 1999 | Executive Coordinator of the Service for Microsurgical and Hand Emergencies of the Trauma and Orthopaedic Centre in Turin (Coordinator: Prof. P. Gallinaro) |
| October 1998 | Awarded with a "Travel Grant" of the American College of Surgeons, Chicago, USA |
| October 1999 – December 2000 | Consultant in the Dept. Plastic and Hand Surgery, Chair of Plastic Surgery, University of Milan, Policlinico MultiMedica, Sesto San Giovanni (Prof. Giorgio Pajardi) |
| January 2001 – October 2004 | Senior Consultant and Vice Chairman, Head of the Division of Microsurgery of the Dept. Plastic and Hand Surgery, Chair of Plastic Surgery, University of Milan, Policlinico MultiMedica, Sesto San Giovanni (Prof. Giorgio Pajardi) |
| November 2004 – January 2007 | Vice-Chairman (Head of the Hand and Plastic Surgery Unit), Department of Surgery, Regional Hospital Winterthur (Switzerland) (Prof. M. Decurtins) |
| July 2007 | Swiss Board Certification in Hand Surgery (FMH) |
| February 2007 - 2014 | Senior Consultant Division of Plastic Surgery and Hand Surgery (Head of Hand Surgery and Reconstructive Surgery of the Extremities, Head of Research), University Hospital of Zurich (Switzerland) (Prof. Pietro Giovanoli) |
| June 2010 - 2016 | Chairman of the European Board of Hand Surgery Examination |
| April 2011 | Certification for Ultrasound of the Musculoskeletal System, |

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| | SGUM |
| October 2011 – 2020 | Member of the Board, European Board of Hand Surgery, UEMS |
| November 2020 - | President of the Board, European Board of Hand Surgery, UEMS |
| October 2012 - 2014 | Chairman of the Skin Coverage Committee, International Federation of Societies for Surgery of the Hand |
| Juli 2013 | Venia Legendi (Senior Lecturer) in Hand Surgery and Plastic and Reconstructive Surgery, University of Zurich |
| June 2014 | Deputy Chairman Division of Plastic Surgery and Hand Surgery (Head of Hand and Reconstructive Surgery of the Extremities, Head of Research Division), University Hospital of Zurich (Switzerland) (Prof. Pietro Giovanoli) |
| November 2016 - | Member of the Centre for Applied Biotechnologies and Molecular Medicine (CABMM), University of Zürich |
| June 2017 – September 2020 | Secretary General (2017-2020) Federation of the European Societies for Surgery of the Hand (FESSH) |
| 2017 - | Responsible of the Hand Surgery Training Programme (Weiterbildungsstätte-Leiter), University Hospital Zurich |
| September 2017 | Tutor for the Certification for Ultrasound in Musculoskeletal System, SGUM |
| November 2018 – October 2019 | Course of Advanced Studies in Managing Medicine in Health Care Organisations, Institute of Social and Preventive Medicine ISPM, University Bern |
| November 2020 - | President of the European Board of Hand Surgery |
| June 2021 - | Co-Chair of Training Committee, Federation of the European Societies for Surgery of the Hand (FESSH) |
| 1990 – 2002 | International study visits at <ul style="list-style-type: none"> ▪ Department of Plastic and Reconstructive Surgery of the University of Innsbruck (Austria) (Prof. Hans Anderl), ▪ Glasgow and West Scotland Regional Plastic and Oral Surgery Unit of the Canniesburn Hospital in Glasgow (Scotland) (Consultant: Dr. Martin Webster), ▪ Dept. Chirurgie Klinik für Hand-, Plastische und Wiederherstellungschirurgie (Director: Prof. Viktor E. Meyer) of the University of Zurich, Faculty of Medicine (Switzerland), ▪ Institut de la Main, Clinique Jouvenet in Paris (France) (Dir.: Prof. Alain Gilbert) |
| 1990 – now | Participant at many national and international courses and workshops in plastic surgery and hand surgery |

1990 – now Performed about 14'000 operations in the field of hand surgery, peripheral nerve surgery (including brachial plexus), reconstructive microsurgery of the extremities, plastic reconstructive and aesthetic surgery

3. Leadership portfolio

1994 – 1999 Co-editor of the Bulletin of the Italian Burn Society from 01.1994 to 12.10.1999

2003 – 2006 Member of the Board of National Referees for the Italian Continuous Medical Education Program

2004 – 2010 Examiner for the European Diploma Examination in Hand Surgery of the Federation of the European Societies for Society of the Hand (FESSH)

2005 - Scientific Director of the Zurich Workshop on Hand Flaps, Zurich

2012 - Scientific Director of the Zurich Workshop on Tendon Surgery, Zurich

2016 - Scientific Director of the Osteosynthesis of the Hand and Wrist, IBRA Workshop, Zurich

2005 - Member of the Scientific Committee in many national and international congresses in the field of hand surgery and microsurgery

2008 - Reviewer for most of the high ranked journals in the field of hand surgery, plastic surgery and biomechanics.

3. Memberships

- Federation of European Societies for Surgery of the Hand - FESSH (1998)
 - Member of the Council (2010 - 2024)
 - Chairman of the European Board of Hand Surgery Examination (2010 - 2016)
 - Secretary General (2017-2020)
 - Co-Chairman of the Training Committee (2021-2024)
- Italian Society for Surgery of the Hand (1998)
- German Speaking Association for Hand Surgery - DAH (2007)
- German Speaking Association for Microsurgery - DAM (2007)
- Swiss Society for Surgery of the Hand – SGH (2005)
 - Member of the Council since 2009
 - Vice-President 2018-2021
- International Bone Research Association – IBRA (2009)

- American Society for Surgery of the Hand – ASSH (2014)
- European Wrist Arthroscopy Society – EWAS (2015)
- International Society for Sport Traumatology of the Hand - ISSPORTH (2015)
- Swiss Society for Ultrasound in Medicine – SGUM, Musculoskeletal Section (2017)

4. Teaching Activity

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| 1993 – 2003 | Contract lecturer, Department of Human Anatomy and Physiology, University of Turin (Prof. C. Viglietti-Panzica) |
| 2000 – 2004 | Contract lecturer, Chair of Plastic and Reconstructive Surgery, University of Milan (Prof. Pajardi) |
| 2001 – 2004 | Training Supervisor at the Specialization School in Plastic and Reconstructive Surgery, University of Milan (Prof. G. Pajardi) |
| 2007 - 2013 | Contract lecturer, Faculty of Medicine, University of Zurich |
| 2010 - | Lecturer CAS Hand Therapy, Zürcher Hochschule für angewandte Wissenschaft ZHAW |
| 2013 - | Senior Lecturer, Faculty of Medicine, University of Zurich |

5. Research activity

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| 1984 – 1987 | Osmoregulation and sexual dimorphism in birds (Prof. C. Viglietti-Panzica) Dept. of Human Anatomy and Physiology, University of Turin (Italy) |
| 1987 – 2001 | Peripheral nerve regeneration (Prof. G.C. Panzica) Dept. of Human Anatomy and Physiology, University of Turin (Italy). |
| 1994 – 2001 | Pathophysiology of pathological scarring in burnt patients (Prof. Momigliano Richiardi) Dept. Human Genetics of the University of Turin (Italy). |
| 2002 – 2004 | Anti-adherent media for tendon and nerve surgery (Prof. G. Pajardi) Chair of Plastic and Reconstructive Surgery, University of Milan (Italy) |
| 2007 - | Outcome studies in hand surgery (clinical audits). Division of Plastic Surgery and Hand Surgery, University Hospital, Zürich (Switzerland) |

- 2007 - Tissue engineering with fat derived stem cells (bone, vascular); microcirculation, ischemia and reperfusion injury. Division of Plastic Surgery and Hand Surgery, University Hospital, Zürich (Switzerland)
- 2008 - Tendon healing. Division of Plastic Surgery and Hand Surgery, University Hospital, Zürich (Switzerland)
- 2009 - Motion analysis of the hand and wrist. Division of Plastic Surgery and Hand Surgery, University Hospital, Zürich (Switzerland)
- 2014 - Tissue engineering of skin and production of cultivated keratinocytes (**Skin Engineering Platform**), University Hospital and Veterinary Faculty, University of Zurich (Switzerland)
- 2014 - Development of Biological Biodegradable and anti-Bacterial Burn-wound Bandages (**B5 Platform**), University Hospital and Veterinary Faculty, University of Zurich (Switzerland)
- 2015 - 2017 Adipose derived stromal vascular fraction for the treatment of finger contractures in patients affected by systemic sclerosis. Division of Plastic Reconstructive and Hand Surgery and Division of Rheumatology, University Hospital, Zürich (Switzerland)
- 2016 - 2018 **LifeLong Joints** - Testing of a silicon nitride coated joint prosthesis in the stifle joint of rabbits. Musculoskeletal Research Unit (MSRU), Vetsuisse Faculty, University of Zurich (CH)
- 2016 - **Skintegritiy Flagship Project** An interdisciplinary approach to understand, diagnose and treat skin diseases and wounds
 SP3 - Skin diagnosis: Computer Assisted Assessment of Chronic Ulcers Applicants: O. Distler (UZH/Balgrist/USZ), M. Meboldt, W. Karlen (ETHZ) Collaborators: J. Hafner, M. Calcagni, M. Berli, N. Lindenblatt, B. Amman-Vesti (UZH; USZ)
 SP6 - Skinfactory: In situ Bioengineered Skin Production Applicants: N. Lindenblatt (UZH/USZ), S. Ferguson (ETHZ) Collaborators: M. Calcagni (UZH/USZ), S. Darwiche (UZH)
 SP10: Central Project: Live Cell and Tissue Biobanking Applicants: M. Levesque (USZ/UZH), R. Dummer (USZ/UZH) Collaborators: C. Schiestl (USZ/Children`s Hospital), J. Hafner, M. Berli, N. Lindenblatt, M. Calcagni (USZ/UZH), W. Karlen (ETHZ)
- 2018 - **SilkBridge Project**. First-in-human application of a new silk nano- and micro-fibres nerve tube for peripheral nerve reconstruction.
- 2019 - Establishment of the **Swiss Upper Extremity Outcomes Registry** – SUpExOR

6. Grants

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| 2013 | Ab-medica "Verbesserung der Sehnenreparatur in der Hand-Chirurgie: Einsatz eines biokompatiblen, bioabbaubaren und reversibel expandierbaren Schlauchs am Kaninchen Achilles Sehnen Modell in vivo (co-applicant) 30'000 Eur |
| 2014-2016 | Innovationspool USZ "Etablierung der Herstellung von Keratinozyten-Sheets (Kera-Sheets)" (co-Applicant) 722'000 CHF |
| 2014-2016 | Grant La Colline "Skin Tissue Engineering", 210'000 CHF |
| 2014-2016 | SwissTransMed - Translational Research in Medicine "B5 platform: Biological Biodegradable and anti-Bacterial Burn-wound Bandages" (co-applicant) 2'000'000 CHF, amount for the UZH site 506'000 CHF |
| 2015 | Karitative Stiftung Gerber-ten Bosch "Investigating the effect of hypothermal conditioning on the quality and growth potential of in vitro cultured keratinocytes for skin grafting", 25'000 CHF |
| 2015 | Innovationspool USZ "Adipose derived stromal vascular fraction for the treatment of finger contractures in patients affected by systemic sclerosis" 200'000 CHF |
| 2016 | Heubergstiftung "Investigating the effect of hypothermal conditioning on the quality and growth potential of in vitro cultured keratinocytes for skin grafting", 20'000CHF |
| 2016 | Skintegrity Flagship Project (co-applicant within three sub-projects), 1'000'000CHF |
| 2017 | International Bone Research Association (IBRA) "Biomechanical analysis of intramedullary screw osteosynthesis of transverse metacarpal bone osteotomies compared to dorsal plate and screws fixation", 12'500 CHF |
| 2017 - 2019 | Innovationspool USZ "Etablierung der Herstellung von Keratinozyten-Sheets (Kera-Sheets)" (Applicant) 200'000 CHF |
| 2017 - 2020 | Grant La Colline "Skin Tissue Engineering", 270'000 CHF |
| 2019 | Grant SUVA "Ergebnisse nach Beugesehnenverletzungen der Langfinger und des Daumens in den Zonen 1- 3: eine (Schweizer) Multicenter- Studie: Erfassung von möglichen Einflussfaktoren auf das Behandlungsergebnis», 12'000 CHF |
| 2020 - 2021 | Grant Medartis "Development of a multicentre registry on bone implants for the upper extremity", 240'000 CHF |
| 2020 - 2022 | Grant SUVA "Dreidimensionale Kinematische Analyse von Hand und Fingerbewegungen und Deren Klinische Implementierung an Patienten mit Funktionellen Einschränkungen nach Fingerfrakturen im PIP-Gelenk", 99'500 CHF |

- 2020 Innovationspool USZ "Etablierung der Herstellung von Keratinozyten-Sheets (Kera-Sheets)" (Applicant) 100'000 CHF
- 2020 Grant Gerber-ten Bosch Karitative Stiftung "Investigating hypercortisolemia-induced wound healing disturbances and the therapeutic potential of heme in skin models in vitro". M. Calcagni, L. Frese, N. Sieber-Ruckstuhl, F. Boretti, S. Darwiche, 38'000 CHF
- 2020 - 2021 Grant Georg und Bertha Schwyzer-Winiker-Stiftung "Production of GMP-grade cultured keratinocyte autografts for the treatment of patients with severe burns" M. Calcagni, L. Frese, 200'000 CHF
- 2021 - 2023 Grant La Colline "Skin Tissue Engineering", 306'000 CHF



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Zurich, 25.05.2021