**Bone-related research projects in Switzerland**

(With active involvement of SVGO/ASCO members; prospective ISS only)

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| **University** | **Research project** | **Principal investigator** | **Timeline** | **Funding** |
| Geneva | GERICO: Microstructural and genetic determinants of fracture risk in the Geneva Retirees Cohort | S. Ferrari | 2008-2018 | Geneva Univ Hospital Foundation |
| Geneva | New biochemical markers of bone quality and fragility in relation to glucose homeostasis and diabetes | S. Ferrari | 2017-2019 | Industry |
| Geneva | GERICO: Nutritional determinants of BMD and microstructural changes in the Geneva Retirees Cohort | E. Biver/R Rizzoli | 2008-2018 | Geneva Univ Hospital Foundation |
| Geneva | GERICO: prospective analysis of musculoskeletal aging contribution to quality of life in the Geneva Retirees Cohort | E. Biver | 2008-2018 | Geneva Univ Hospital Foundation |
| Geneva | Risk factors and genetic determinants of atypical femoral fracture | E. Biver / S. Ferrari | 2008-2018 | Geneva Univ Hospital |
| Geneva | Sarcopenia and Exercise in Older Adults (SARCARE trial) | A. Trombetti | 2017-2020 | SNF |
| Geneva | Improvement of Fall Risk Screening, Assessment and Management Processes in Geriatric Hospital Setting | A. Trombetti | 2014-2017 | Geneva University Hospital |
| Geneva | Sagittal Balance by EOS®, Physical Impairments, and Falls in Older Adults (SAFE study) | A. Trombetti | 2017-2018 | Private Foundation |
| Geneva | Muscle Mass and Power, Physical Function, Cognition and Brain in Seniors (MOTIONS study) | A. Trombetti | 2016-2018 | Geneva University Hospital |
| Geneva | Physical Exercise and Jaques-Dalcroze Eurhythmics: Effects on Physical and Cognitive Functions, and Falls in Seniors (EPHYCOS trial) | A. Trombetti | 2013-2017 | Private Foundations & Geneva University Hospital |
| Basel | DiabOS: Microarchitecture, Bone Strength and Fracture Risk in Type 2 Diabetes  (ClinicalTrials.gov:NCT02551315) | C. Meier | 2017-2019 | SNF  Basel University Hospital |
| Basel | DiabOS: Bone markers, advanced glycation endproducts and Fracture Risk in Type 2 Diabetes | C. Meier | 2017-2019 | Private Foundations |
| Basel, Bern | Biochemical and microstructural determinants of bone strength in type 1 diabetes | C. Meier  K. Lippuner | 2018-2019 | Private Foundations  Basel University Hospital |
| Basel | „Swiss Fracture Liaison Service“: A Secondary Fracture Prevention Program | N. Suhm | 2015-2020 | Private Foundations  Basel University Hospital |
| Zurich | [Zurich Knee OA Trial](http://www.alterundmobilitaet.usz.ch/forschung/klinische-studien/seiten/zuercher-kniearthrose-studie.aspx)  (ClinicalTrials.gov Identifier:NCT00599807) | H.A. Bischoff-Ferrari | 2008-2018 | SNF  Velux Foundation |
| Zurich | [T&D-Trial](http://www.alterundmobilitaet.usz.ch/forschung/klinische-studien/seiten/testosteron-und-vitamin-d-studie.aspx)  (ClinicalTrials.gov:NCT02419105) | H.A. Bischoff-Ferrari | 2015-2018 | SNF  Independent Industry Funds Besins + Wild |
| Zurich | [Osteopenia Trial](http://www.alterundmobilitaet.usz.ch/forschung/klinische-studien/seiten/osteopenie-studie.aspx)  (ClinicalTrials.gov:NCT02527668) | H.A. Bischoff-Ferrari | 2013-2018 | Industry (DSM) |
| Zurich | [Zurich-POPS](http://www.alterundmobilitaet.usz.ch/forschung/schwerpunkte/seiten/zurich-pops.aspx)  Research Program | H.A. Bischoff-Ferrari | 2015-2020 | University of Zurich |
| Zurich | [DO-HEALTH](http://do-health.eu/wordpress/)  (ClinicalTrials.gov:NCT01745263) | H.A. Bischoff-Ferrari | 2012-2018 | EU – FP7  UZH, independent industry funds |
| Zurich | [Move for your MIND](http://www.alterundmobilitaet.usz.ch/forschung/klinische-studien/seiten/mfym.aspx)  (ClinicalTrials.gov:NCT03384602) | H.A. Bischoff-Ferrari | 2017-2021 | SNF |
| Zurich | [STRONG](http://www.alterundmobilitaet.usz.ch/forschung/klinische-studien/seiten/strong.aspx)  (ClinicalTrials.gov:NCT03417531) | H.A. Bischoff-Ferrari | 2017-2021 | SNF  IICT-call 2017 |
| Zurich | Swiss Personalized Health Network Driver Project  [Swiss Frailty Network and Repository](http://www.alterundmobilitaet.usz.ch/forschung/klinische-studien/seiten/swiss-frailty-network-repository.aspx) | H.A. Bischoff-Ferrari | 2018-2021 | [SPHN](https://www.sphn.ch/en/projects/driver-projects.html) |
| Zurich | [Sarcopenia Research Program](http://www.alterundmobilitaet.usz.ch/forschung/schwerpunkte/seiten/sarkopenie-schwerpunkt.aspx) | H.A. Bischoff-Ferrari | 2016-2020 | Baumgarten Foundation Centre Grant |
| Bern | Population-Based Normative Database for HR-pQCT-Based Distal Radius and Tibia Strength Assessment in Switzerland | K. Lippuner | 2018-2020 | Scientific Fund of the Department of Osteoporosis, Inselspital, University of Bern |
| Bern | Local remodelling and mechanoregulation of bone fracture healing in healthy, aged, and osteoporotic humans | K. Lippuner  (Collaborative Project with ETH Zurich, Med. Univ. Innsbruck, Univ. Hospital Ulm) | 2017-2020 | SNF (D-A-CH) |
| Bern | Biomechanical analysis of computed tomography scans obtained for other indications as a screening method for osteoporosis | K. Lippuner | 2018- | Gebert Rüf Stiftung and  Scientific Fund of the Department of Osteoporosis, Inselspital, University of Bern |
| Bern | Comparative trends in hospitalisations for osteoporotic fractures and other frequent diseases between 2000 and 2018" | K. Lippuner | 2017-2019 | Scientific Fund of the Department of Osteoporosis, Inselspital, University of Bern |