

CURRICULUM VITAE

PERSONAL DATA

Name: Sicco Anthony Bus
Date of birth: 12 December 1973
Place of birth: Evansville, Indiana, USA
Nationality: Dutch (+ USA citizen)
Scientific degrees: PhD, MSc

Work address: Amsterdam UMC, Academic Medical Center, Department of Rehabilitation medicine, University of Amsterdam, Meibergdreef 9, 1105 AZ Amsterdam, The Netherlands

HIGHER EDUCATION

2001 – 2004 Faculty of Medicine, University of Amsterdam, Amsterdam (PhD)
Doctoral dissertation (17 December 2004): 'Foot deformity in diabetic neuropathy: a radiological and biomechanical analysis' (promotor: prof. dr. M. Levi)

1992 – 1998 Human Movement Sciences, Vrije Universiteit, Amsterdam (MSc)
Majors in exercise physiology and health sciences, minor in psychology of human movement.

POST-DOCTORAL TRAINING

2020 Re-registration Regulations and Organization for Clinical Researchers (BROK®)
2016 Re-registration Regulations and Organization for Clinical Researchers (BROK®)
2015 Basic Educational Qualification (BKO)
2012 Course Regulations and Organization for Clinical Researchers (BROK®) (score: 87)
2010 Leadership course, Academic Medical Center (20 days)
2008 Good Clinical Practice (GCP) training (2 days)

WORK AND RESEARCH POSITIONS

2017 – present Associate Professor, Amsterdam UMC, Academic Medical Centre, Department of Rehabilitation, University of Amsterdam, Amsterdam (since May 1st 2017)

2017 Visiting Professor, School of Medicine, Department of Physical Therapy, Speech, Occupational Therapy, University of Sao Paulo, Brazil (February – March 2017)

2015 – present Visiting Reader, School of Health and Life Sciences, Glasgow Caledonian University, Glasgow, UK (since December 1st 2015).

2015 – present Principle investigator, Academic Medical Centre, University of Amsterdam, Amsterdam (since May 1st 2015)

2008 – present Head, Human Performance Laboratory, Department of Rehabilitation, Academic Medical Centre, University of Amsterdam, Amsterdam

2003 – 2018 Senior Investigator, Department of Surgery, Ziekenhuisgroep Twente, Almelo (secondment, 1 day per week)

2005 – 2008 Manager, Human Performance Laboratory, Department of Rehabilitation, Academic Medical Centre, University of Amsterdam, Amsterdam

2005 – 2017 Senior Investigator, Department of Rehabilitation, Academic Medical Centre, University of Amsterdam, Amsterdam

2001 – 2004 PhD student, Department of Internal Medicine, Academic Medical Centre, University of Amsterdam

2001 Research Consultant, Diapedia LLC, State College, PA, USA

1998 – 2000 Visiting Researcher, Center for Locomotion Studies, Penn State University, PA, USA

1997 – 1998 Researcher, TNO Center for Leather and Shoes, Waalwijk, NL

RELEVANT MEMBERSHIPS

2020 – present Board member, Dutch Foundation for Development Orthopedic Footwear Technology
2017 – present Board member and Program director “Rehabilitation and Development”, Amsterdam
Movement Sciences research institute
2015 – present Member and quality officer, Editorial Board, International Working Group for the Diabetic
Foot (IWGDF) - Guidance
2014 – present Chair, Guideline Workgroup on Diabetic Foot Ulcer Prevention, International Working
Group for the Diabetic Foot (IWGDF)
2016 – present Chair, Guideline Workgroup on Footwear and Offloading, International Working Group for
the Diabetic Foot (IWGDF)
2013 – present Member, Guideline committee for National Guidelines on the Diabetic Foot, Dutch
Society of Internal Medicine (NIV)
2009 – present Co-Founder and Chair (since 2013), Dutch Study Group for Neurovascular Complications
of Diabetes (NVCD)
2007 – present Scientific editor “Orthopedische Techniek”, Journal of the Dutch Society for Orthopedic
Shoe Technicians (NVOS-Orthobanda)

TEACHING (SELECTED)

2018 - present Module coordinator and lecturer, choice education “Rehabilitation medicine”, 12-week
full-time bachelor course, Faculty of Medicine, AMC, University of Amsterdam
2015 – 2017 Coordinator and lecturer, choice module “Assistive devices in Rehabilitation (K0-089)”, 17-
week bachelor course, Faculty of Medicine, AMC, University of Amsterdam
2013 – 2017 Lecturer and co-coordinator, choice module “Measurement in Movement (K0-083)”, 17-
week bachelor course, Faculty of Medicine, AMC, University of Amsterdam
2008 – 2015 Lecturer, choice module “Introduction in Rehabilitation Medicine (K0-046)”. 17-week
bachelor course, Faculty of Medicine, AMC, University of Amsterdam

SUPERVISION (PHD ONLY)

Current:

1. Marieke Mens, MSc, Radiology, AMC (2019 - present)
2. Chantal Hulshof, MSc, human movement scientist, Rehabilitation, AMC (2019 - present)
3. Lisebette Burger, Dept. Plastic and Reconstructive Surgery, Erasmus MC, Rotterdam (2017 – present)
4. Jodi Benning, School of Health and Life Sciences, Glasgow Caledonian University, UK (2017 - present)
5. Renske Keukenkamp, MSc, human movement scientist, Rehabilitation, AMC (2017 – present)
6. Wouter aan de Stegge, surgeon resident, Rehabilitation, AMC (2015 - present)
7. Maijke van Bloemendaal, BS, physical therapist, Rehabilitation, AMC (2015-present)
8. Jennefer Zwaferink, MSc, human movement scientist, Rehabilitation, AMC (2014 – present)
9. Hilde Ploeger, MSc, human movement scientist, Rehabilitation, AMC (2012 – present)

Completed:

1. Marc Scheper, human movement scientist, Rehabilitation, AMC. Dissertation: Hypermobility syndrome
and Ehlers-Danlos Syndrome: Unraveling the concepts of disability during childhood. Defended: 20
December 2019.
2. Joanne Hurst, School of Health and Life Sciences, Glasgow Caledonian University, UK. Dissertation:
‘Social deprivation, comorbidity and outcomes of diabetic foot disease’. Defended: 5 December 2019
3. Mark Arts, human movement scientist, Rehabilitation, AMC. Dissertation: ‘Custom-made footwear in
diabetes: offloading, usability and ulcer recurrence’. Defended: 11 December 2013

4. Stijn Hazenberg, vascular surgeon, Surgery, UMCU. Dissertation: 'Diabetic foot in the era of telemedicine'. Defended: 13 November 2013.
5. Roelof Waaijman, human movement scientist, Rehabilitation, AMC. Dissertation: 'Improving footwear to prevent ulcer recurrence in diabetes: analysis of adherence and pressure reduction'. Defended: 5 July 2013.

JOURNAL PAPERS (PEER-REVIEWED)

Number of published articles in journals with IF:	98
Hirsch index:	30
Sum of Times cited:	2716
Average times cited per published article:	30
Expertscape ranking as expert worldwide:	5 (in diabetic foot), 3 (in foot), 1 (in shoes)

Top 5:

1. Busch-Westbroek TE, Delpout K, Balm R, **Bus SA**, Schepers T, Peters EJ, Smithuis FF, Maas M, Nieuwdorp M. Effect of Single Dose of RANKL Antibody Treatment on Acute Charcot Neuro-osteoarthropathy of the Foot. **Diabetes Care**. **2018** Mar;41(3):e21-e22. doi: 10.2337/dc17-1517. Epub 2017 Dec 22.
2. Armstrong DG, Boulton AJM, Bus SA. Diabetic Foot Ulcers and Their Recurrence. **N Engl J Med**. **2017** Jun 15;376(24):2367-2375.
3. Jeffcoate W, Bus SA, Game FL, Hinchliffe RJ, Price PE, Schaper NC. Reporting standards of papers on the prevention and management of foot ulcers in diabetes: required details and markers of good quality. **Lancet Diabetes & Endocrinology**, **2016** Sep;4(9):781-8.
4. Waaijman R, de Haart M, Arts ML, Wever D, Verlouw AJ, Nollet F, Bus SA. Risk factors for plantar foot ulcer recurrence in neuropathic diabetic patients. **Diabetes Care**. **2014** Jun;37(6):1697-705
5. Bus SA, Waaijman R, Arts M, de Haart M, Busch-Westbroek T, van Baal J, Nollet F. Effect of custom-made footwear on foot ulcer recurrence in diabetes: a multicenter randomized controlled trial. **Diabetes Care**. **2013** Dec;36(12):4109-16.

SCIENTIFIC AWARDS / PRIZES

- Paul Wilson Brand Repetitive Stress Award 2014 for best scientific work on repetitive mechanical stress, 12th Diabetic Foot Study Group meeting of the EASD, Bratislava, Slovakia, September 12-14, 2014
- Best Presentation Award, International Expert Scientific Meeting on Pressure Distribution Measurement, 3-5 July 2014, Boston, USA
- Best Poster Award, International Expert Scientific Meeting on Pressure Distribution Measurement, 3-5 July 2014, Boston, USA
- 'Art in Science Award for best paper in the field of foot pressure distribution measurement, International Expert Scientific Meeting on Pressure Distribution Measurement, 1-4 August 2012, Aalborg, Denmark
- Best Presentation Award, International Expert Scientific Meeting on Pressure Distribution Measurement, 1-4 August 2012, Aalborg, Denmark
- Best Presentation Award, 3rd Congress of the International Foot and Ankle Biomechanics Society (i-FAB), 11-14 April 2012, Sydney, Australia.
- Young Investigator Award, Footwear Symposium International Society of Biomechanics, 6-7 July 2001, Zurich, Switzerland.
- Foot Biomechanics Award, 18th Congress of the International Society of Biomechanics, 8-13 July 2001, Zurich, Switzerland.