

Curriculum vitae: Nanette Briers

1. Biographical information

Title : Professor
Surname : Briers (Maiden name: Lourens; Previous married surname: Lizamore)
First name : Nanette
Citizenship : South African
Institution : Division Clinical Anatomy, Biomedical Sciences, Stellenbosch University
Current position : - Associate professor, permanent full-time from 1 February 2022
- Head of Division Clinical Anatomy, from 1 May 2022
e-mail : briers@sun.ac.za

2. List of qualifications

1. BSc (Stellenbosch University)
2. BSc (Hons) (Physiology) (University of Pretoria)
3. MSc (Physiology) (University of Pretoria)
4. PhD (Anatomy) (University of Pretoria)
5. Diploma in Higher Education and Training Practice (University of Pretoria)
6. Postgraduate Diploma in Health Research Ethics (Stellenbosch University)
7. Fogarty Fellow (Bioethics)

3. List of positions/appointments

Name of employer	Capacity and/or type of work	Period From
Stellenbosch University	Demonstrator: Dept Inorganic Chemistry (Temporary, part-time)	1988
University of Pretoria	Research assistant: Dept Physiology (Temporary, part-time)	1989 - 1990
University of Pretoria	Technical assistant (Jnr & Snr): Section Histology, Anatomy (Permanent, full-time)	1991 – 1993
University of Pretoria	First Electron Microscope Operator: Section Histology, Anatomy (Permanent, full-time)	1993 – 1996
University of Pretoria	Lecturer: Section Clinical Anatomy, Dept Anatomy (Permanent, full-time)	1997 – 2009
University of Pretoria	Senior Lecturer: Section Clinical Anatomy, Dept Anatomy (Permanent, full-time)	2010 – 29 Feb 2016
University of the Witwatersrand	Senior Lecturer: Morphological Science, School of Anatomical Sciences (Permanent, full-time)	1 March 2016 – 31 January 2022
Stellenbosch University	Associate professor (Permanent, full-time) HOD: Clinical Anatomy	1 February 2022 – 1 May 2022 -

4. Research

- ORCID: <http://orcid.org/0000-0002-8544-6049>
- Indices: Google scholar index 6; Scopus index 5; ResearchGate Interest Score: 103; h-index: 6
- Number of publications: 31 (See list below)
- Number of conference presentations: 60 (Available on request)

	List of Publications	Impact factor
1	Levay P F, Lourens N, Loots G P, Fourie F Le R. Electron microscopic study of human sperm membrane isolation. J Assist Reprod Gen, 1994; 11 (6): 295 - 302.	2.829

2	Coetzee H L, Kotzé S H, Lourens N. Characterisation of mucus glycoproteins in the intestinal mucosa of the African elephant (<i>Loxodonta africana</i>) following lectin histochemistry. Onderstepoort J Vet Res, 1995; 62: 187 - 192.	1.67
3	Theron J J, Steinmann C, Lourens N. Microperoxisomes masquerading as atrial specific granules. Med Sci Res, 1995; 23: 23 - 24.	Journal discontinued in 2000
4	Theron J J, Lizamore N. Peroxisomes and the pathogenesis of fatty livers of kwashiorkor and hypoglycine toxicity. Med Sci Res, 1996; 24: 471 - 472.	Journal discontinued in 2000
5	Theron J J, Steinmann C M L, De Winter R, Lourens N. Mitochondrial damage in the myocardium of spontaneously hypertensive rats. SA J Sci, 1996; 92: 285 - 288.	1.191
6	Theron J J, Lizamore N, Panzer A, Claassen N. Physiology and pathophysiology of cell organelles. 1. Peroxisomes SA J Sci, 1996; 15 (4): 156 – 161.	1.191
7	Theron J J, Lizamore N, Panzer A, Claassen N. Physiology and pathophysiology of cell organelles. 2. Lysosomes (Part A) SA J Sci. 1997; 16 (1): 3 - 9.	1.191
8	Theron J J, Lizamore N, Panzer A, Claassen N. Physiology and pathophysiology of cell organelles 2. Lysosomes (Part B). SA J Sci, 1997; 16 (2): 56 – 64.	1.191
9	Theron J J, Lizamore N, Claassen N. Physiology and pathophysiology of cell organelles 3. Mitochondria. SA J Sci, 1998; 17 (1): 16 – 31.	1.191
10	Steinmann C M, Lourens N, du Toit PJ, Theron JJ. Two roles for caveolae in the cardiac myocyte? SAMJ, 1998; 88 Suppl 1: C16 –18.	1.5
11	van Schoor AN, Pretorius E, Lizamore N, Meiring JH. Prevalence of latex allergies among medical and dental students with minimum previous latex exposure. Southern African Journal of Epidemiology and Infection, 2002; 17 (1,2): 34-35.	0.217
12	Venter E, Lizamore N, Boon JM. Determination of the best possible approach for ulnar nerve blockade. Clin Anat 2004; 17 (5): 373 – 377.	1.967
13	Morris I, Lizamore N, Boon JM, Meiring JH, Franz RC. Proximal saphenous vein cut down: An evaluation of techniques and anatomical considerations. Clinical Anatomy 2008; 21: 453-460.	1.967
14	Strydom MA, Briers N, Bosman MC, Steyn S. The Anatomical Basis of Venographic Filling Defects of the Transverse Sinus. Clinical Anatomy 2010; 23: 153 – 159. https://doi.org/10.1002/ca.20911 .	1.967
15	Kalweit K, Briers N, Olorunju SAS. The success of various management techniques used in South African children with type 1 diabetes mellitus. SAMJ 2015; 105(5): 400 – 404. DOI:10.7196/SAMJ.9334	1.5
16	Briers N, Briers TM, Becker PJ, Steyn M. Development of soft tissue thickness values for Black and Coloured South African children aged 6 to 13 years. Forensic Science International 2015; 252: 188e1 – 188e10. doi:10.1016/j.forsciint.2015.04.015.	1.99
17	Van der Merwe L, Briers N. A description of the size and distal branching pattern of the dorsalis pedis artery: a cadaveric study. Anatomical Journal of Africa 2016; 5(1): 644 - 649.	No IF yet
18	Briers N, Dempers JJ. Ethical issues surrounding the approval of the use of modern human remains for research at a South African university. Journal of Empirical Research on Human Research Ethics. 2017; 12(1): 45 – 54. doi: 10.1177/1556264616688973	0.953
19	Mogale N, Olorunju SAS, Matshidza S, Briers N. The anatomy of the anterior approach: A cadaver study. South African Orthopaedic Journal 2017;16 (3):35-40. DOI 10.17159/2309-8309/2017/v16n3a4.	0.0175
20	Schmidlin EJ, Steyn M, Houlton T, Briers N. Facial ageing in South African adult males. Forensic Science International 2018; 289: 277 – 286. https://doi.org/10.1016/j.forsciint.2018.05.006 .	1.99
21	M Steyn, A Johnson, M Pretorius, N Briers, N Bacci, TMR Houlton. Forensic facial comparison in South Africa: state of the science. Forensic Science International 2018; 287: 190 - 194. https://doi.org/10.1016/j.forsciint.2018.04.006 .	1.99
22	Briers N, Steyn M. Re-assessment of South African juvenile facial soft tissue thickness data for craniofacial approximation: A comparative analysis using central tendency statistics. Forensic Science International. 2018; 291:280.e1-280.e13. https://doi.org/10.1016/j.forsciint.2018.08.008	1.99
23	Joubert LC, Briers N, Meyer A, Evaluation of the Suchey-Brooks age estimation method in a white South African population, Forensic Science International. 2019; 301: e14 – e19. DOI: 10.1016/j.forsciint.2019.05.029.	1.99

24	Joubert LC, Briers N, Meyer A, Evaluation of the Enhanced Computational Methods of Estimating Age-at-Death Using the Pubic Symphyses of a White South African Population. <i>Journal of Forensic Science</i> . 2020; 65(1): 37 - 45. DOI: 10.1111/1556-4029.14180.	1.16
25	Mogale N, Olorunju SAS, Matshidza S, Briers N. Anatomical variations in the origins of the lateral circumflex femoral arteries in a South African sample: A cadaver study. <i>Translational Research in Anatomy</i> 2021; 22: 1-7. DOI 10.1016/j.tria.2020.100098	0.85
26	Bacci N, Davimes J, Steyn M and Briers N. Development of the Wits Face Database: an African database of high-resolution facial photographs and multimodal closed-circuit television (CCTV) recordings. <i>F1000Research</i> , 2021, 10:131. https://doi.org/10.12688/f1000research.50887.1	2.3
27	Bacci N, Houlton TMR, Briers N, Steyn M. Validation of forensic facial comparison by morphological analysis in photographic and CCTV samples. <i>Int J Legal Med</i> , 2021. https://doi.org/10.1007/s00414-021-02512-3	2.371
28	Bacci, N., Briers, N., & Steyn, M. Assessing the effect of facial disguises on forensic facial comparison by morphological analysis. <i>Journal of Forensic Sciences</i> , 2021; 66:1220–1233 https://doi.org/10.1111/1556-4029.14722	1.16
29	Bacci, N., Briers, N., & Steyn, M. Performance of forensic facial comparison by morphological analysis across optimal and suboptimal CCTV settings. <i>Science & Justice</i> , 2021, 61, 743 – 754. https://doi.org/10.1016/j.scijus.2021.09.003	0.966
30	Bacci, N., Steyn, M. & Briers N. Forensic facial comparison: current status, limitations, and future directions. <i>Biology</i> 2021, 10, 1269. https://doi.org/10.3390/biology10121269	3.796
31	Bacci, N., Briers, N., & Steyn, M. Prioritizing quality: investigating the influence of image quality on forensic facial comparison. <i>International Journal of Legal Medicine</i> . 2024. https://doi.org/10.1007/s00414-024-03190-7	2.791

5. Book chapters:

Contributed a dissected specimen to the internationally prescribed Anatomy Atlas:
Abrahams PH, Boon JM and Spratt JD. McMinn's Atlas of Clinical Anatomy, ed. 7, 2007.

6. Teaching

Undergraduate teaching

Teaching Management Activities

1. External moderator for UCT, Durban University of Technology (DUT) and SMU. Previously course-coordinator 5 undergraduate and 8 postgraduate courses at UP and I plan, present and revise curriculum content and perform all the administration required.
2. Design, organize and manage CPD workshops for radiographers & radiologists as well as Anatomy and dissection workshops for SAPS and health professionals involving local and international experts
3. Management of ANAT2020 dissection activity: 2016 – 2018
4. Guest speaker and demonstration at School of Medical Imaging, Faculty of Health and Sciences, Christchurch Polytechnic Institute of Technology, Christchurch, New Zealand. 2000. Topic: Development of a e-learning module for Radiographic Anatomy.
5. Adjudicator at annual meetings of the Anatomical Society of Southern Africa (ASSA) and International meeting for Craniofacial Identification
6. Session chairperson and adjudicator of Posters at the 15th meeting of the International Association of Craniofacial Identification held at Mopani Rest Camp, Kruger National Park, August 2013.
7. External examiner at DUT (2009 – 2011) and MEDUNSA / SMU (2012 – 2021)
8. Session chairperson and adjudicator at the Annual Meeting of the `46th, Kloofzicht Lodge, Muldersdrift, Gauteng, 22-25 April 2018.
9. Adjudicator WITS Medical School Research Day 2018.
10. Chair of Musculoskeletal block, GEMP II: 2019 - 2021 (WITS)
11. Coordinator of Graduate Entry Medical Programme I & II (GEMPII, 4th year MBCh): 2019 – 2021 (WITS)
12. Course Coordinator and co-chair for ANAT2020, second year MBBCH, BHSc, BHSc Exercise Science and Biomedical Engineering: 2021 (WITS)

13. SU: Currently involved in Health Care Science modules (ANA178, ANA171); BSc module ANA314 and MBChB: Old curriculum and new curriculum, Form and Function module and block lead; postgraduate module ANA778 (Hons)
14. Session chairperson and adjudicator at the Annual Meeting of the International Symposium of Morphological Sciences, UCT Business School, V&A Waterfront, Cape Town, 5-8 August 2023.
15. Transformation Committee of the Department of Biomedical Sciences, FMHS, SU.
16. Staff-student liaison convenor, Division of Clinical Anatomy, SU.

Educational curricula

1. Number of courses taught: 40
2. Number of course coordinated: 18
3. Number of curricula self-developed: 14
4. Number of continued professional development courses presented: 25
5. Number of continued professional development courses organized: 17
6. Developed dissection videos both at UP & WITS in conjunction with Prof A van Schoor and Dr C Small to enable the students to visualize how they should interpret the text in practical books

Postgraduate supervision:

Student	Topic	Time until completion / Registration date	Date graduated / Progress
1. Daniels, Luke-John (PhD, SU) (Main supervisor)	Skull dimensions as predictors for facial morphometry	Re-registered 2024	Protocol
2. Markov, Artem (PhD, WITS) (Co-supervisor)	Patterns of facial decomposition in facial comparison and the utility of facial approximation in digitally reversing decomposition changes	2024	Protocol
3. Keet, Kerri (PhD, SU) (Main supervisor)	Aortic arch and related vessel variations: Cadaveric and CT angiographic investigations	2023	Protocol, Ethics
4. Bacci, Nicholas (PhD, WITS) (Main supervisor)	Validation and development of current standards and practices in comparative facial analysis using CCTV footage	5	2021
5. Ramphaleng, T (PhD, WITS) (Main supervisor)	Variation of the African Face: Analysis from Facial Masks Using Geometric Morphometrics	5	2021
6. Anderson, Amber (MSc, SU) (Main supervisor)	Facial crease and underlying anatomy for presumptive identification	2024	Protocol
7. Zehrt, Megan (MSc, SU) (Main supervisor)	Extensive investigation of the anterolateral ligament of the knee using different techniques	2023	Data collection
8. Joubert, Laurette (MSc, WITS) (Co-supervisor)	Evaluation of the Suchey-Brooks and Enhanced Computational methods of pubic symphyseal age estimation in a white South African population	2	2019
9. Meiring, Keegan (MSc, WITS) (Main supervisor)	Facial oft tissue thickness of South African adults: A comparative validation study	2	2019
10. Schmidlin, Estha (MSc, WITS) (Main supervisor)	A descriptive morphological study on adult facial ageing in black South African males	3	2019
11. Mogale, Nkhensani (MSc, UP) (Main supervisor)	The comparative anatomy of the minimally invasive total hip arthroplasty one incision method using the anterior and anterolateral approach	2	2016
12. Smit, Bianca (MSc, UP) (Main supervisor)	Anatomical variations of the thoracolumbar nerves with reference to TAP block 2016	2	2016
13. Potgieter, Janeane (MSc, UP) (Main supervisor)	An anatomical assessment of brain infarcts: A MRI Study	2	2009
14. Grové, Sune (BSc Hons, SU) (Main supervisor)	The effects of hyperglycaemic-induced oxidative stress on testicular microstructure and vasculature: a histomorphometric analysis	1	2023
15. Anderson, Amber (BSc Hons, SU) (Main supervisor)	A retrospective review of embalming practices at Stellenbosch University (SU) 2012-2022	1	2023

16. Durrer, Ayla (BSc Hons, SU) (Main supervisor)	A retrospective review of embalming practices at Stellenbosch University (SU) 2012-2022	1	2023
17. Mkonca, Mandisa (BSc Hons, SU) (Main supervisor)	Variation and anomalies associated with the internal iliac artery and its clinical application	1	2022
18. Souris, Stephanie (BSc Hons, WITS) (Main supervisor)	Nasal tip prediction in cases of unknown skeletal remains for facial approximation in a juvenile South African sample	1	2018
19. Meyer, JP (BSc Hons, WITS) (Main supervisor)	Facial age mapping in Black and Coloured children	1	2018
20. Loonat, Raeesah (BSc Hons, WITS) (Main supervisor)	Improving the success rate of facial superimposition within the South African context	1	2017
21. Spies, Amy (BSc Hons, WITS) (Main supervisor)	Resemblance testing of craniofacial approximations: Best scientific practice to meet legal requirements	1	2016
22. Kalweit, Kerry Leigh (BSc Hons, UCT) (Main supervisor)	A Cross-Sectional Study on the Management and Perceptions of South African School Children regarding their Type 1 Diabetes diagnosis	1	2015
23. Smit, Bianca (BSc Hons, UP) (Main supervisor)	Anatomical variations of the lateral cutaneous nerve of the thigh relevant to regional blockade	1	2015
24. Van der Merwe, Lané (BSc Hons, UP) (Main supervisor)	The relationship of the deep fibular nerve and dorsal pedal artery on the dorsum of the foot	1	2009
25. Odendaal, Rennie (BSc Hons, UP) (Main supervisor)	Anatomical variation and branching pattern of the anterior cerebral artery	1	2009
26. Thomas, Kathryn (BSc Hons, UP) (Main supervisor)	A comparative morphometric study of the corpus callosum in primary school children	1	2008
27. Potgieter, Janeane (BSc Hons, UP) (Main supervisor)	Uterine position and influence on conception.	1	2005
28. Venter, Anél (BSc Hons, UP) (Main supervisor)	Hippocampal changes and associated temporal lobe changes during normal aging and temporal lobe epilepsy	1	2005
29. Holdt, Carl (BSc Hons, UP) (Main supervisor)	The anatomical pitfalls of translaryngeal tracheostomy	1	2005

7. Academic Citizenship

Committee/Society/Scholarly membership:

1. Anatomical Society of Southern Africa (ASSA) – Full life member
2. Member of the *ad hoc* Education sub-committee of the Anatomical Society of Southern Africa
3. International Association for Craniofacial Identification (IACI) – Member
4. Research Ethics Committee Association of Southern Africa (REASA) – EXCO, portfolio of Treasurer 2015 – 2018; member: 2019 – present date
5. Collections committee, School of Anatomical Sciences: 2016 – 2020
6. Teaching and learning committee, School of Anatomical Sciences: 2020 – 2021
7. Member of the Human Variation and Identification Research Unit: 2016 – 2021
8. MBBCH curriculum committee, Faculty of Health Sciences, WITS: 2021
9. Second year working Party, Faculty of Health Sciences, WITS: 2021
10. Graduate Entry Medical Programme (GEMP) Committee: 2018 - 2021
11. Wits Readmissions Committee, Faculty of Health Sciences, WITS: 2022
12. Human Research Ethics Committee, all faculties, WITS: 2018 – 2021
13. Staff and Promotions Committee, WITS Medical School: 2019, 2021
14. Departmental Steering Committee, SU: 2022 -present date
15. Honorary Researcher, WITS: 2022 – present date
16. Anatomical Society of Southern Africa (ASSA) – Council member: 2023 - 2025
17. Academic Appointments and Promotions Committee (AAPC), Faculty of Medicine and Health Sciences, SU: 2023 - 2025

Reviewer of Journal/s

- International reviewer for the international ISI accredited peer reviewed journals “Clinical Anatomy”, “Medicine, Science and the Law”, “Forensic Science International” and “Journal of Forensic Science”

Reviewer of examination/post graduate qualifications

- Examiner of multiple MSc and PhD dissertations from UP, WITS, UCT, UKZN and SMU