CURRICULUM VITAE

PERSONAL DETAILS

Given name FAMILY NAME	Zubeyir SALIS
E-mails	zubesalis@gmail.com
ORCID	https://orcid.org/0000-0003-2982-4591
Citizenships	Australian, Turkish

EDUCATION

February 2021 – June 2024

Doctor of Philosophy – Ph.D. in Public Health and Community Medicine
Centre for Big Data Research in Health
School of Public Health, Faculty of Medicine
University of New South Wales
Sydney, Australia

Thesis: **The impact of weight loss on the incidence and progression of structural defects of knee and hip osteoarthritis**

1996 - 1998 (coursework)

Master of Information Technology
Marmara University
Istanbul, Turkey
- Coursework was completed, but thesis was not completed due to migration to Australia.

1988 - 1993

Bachelor of Engineering (with thesis, 4 years) (Control and Computer Engineering)
Istanbul Technical University
Istanbul, Turkey

PROFESSIONAL EXPERIENCE (RESEARCH)

September 2023 – August 2024

Junior Professor
- Physiology and Experimental Medicine of the Heart and Muscles research unit (PhyMedExp) Inserm U1046, CNRS UMR 9214
- l'Unité de Formation et de Recherche de Médecine (UFR Médecine), Faculty of Medicine, University of Montpellier

Montpellier, France

Research (50%) and Teaching (50%).
Application of artificial intelligence to advance research on arthritis and rheumatic diseases. Development of interdisciplinary projects combining health data, AI modeling, and clinical applications. Supervision of students and participation in educational activities related to biomedical sciences and cutting-edge technologies.

September 2023 – August 2024

Post-Doctorate
Division of Rheumatology, Geneva University Hospitals
Faculty of Medicine, University of Geneva,
Geneva, Switzerland

I conducted postdoctoral research under the supervision of Prof. Axel Finckh in the discipline of clinical research applied to rheumatology. The research aim was to develop a tool to predict which disease-modifying antirheumatic drugs are likely to be effective for individual patients. This position was supported by the Swiss Government Excellence Scholarship, which I was awarded for the

academic year 2023-2024.

PROFESSIONAL EXPERIENCE (TEACHING)

2019 - 2021

Salis Institute (www.salisinstitute.com)

Prof. Amanda Sainsbury-Salis and I founded a training institute with a mission is to furnish emerging researchers with the knowledge, skills and confidence they need to reach their full potential for a career involving research. The institute delivers range of training modules such as such as paper writing, presentation skills, grant application, statistics. I have delivered the following courses to the master and PhD students in major Australian universities including Sydney University, University of New South Wales, Victoria University.

- Introduction to Statistics
- Get started with STATA software
- How to perform Systematic Reviews and Meta-Analyses

OTHER PROFESSIONAL EXPERIENCE (INFORMATION TECHNOLOGY)

2001 - 2021   **Principal Solution Designer**

Company   Westpac Banking Corporation (http://www.westpac.com.au/), Sydney, Australia

Department   Infrastructure Solution Architecture

Responsibilities
- Solution Design
  Lead and undertake the analysis, design, and proposal of 'fit for purpose' IT and business infrastructure solutions to meet the requirements of large and complex programs of work.
- People Leader
  Lead a team of seven Infrastructure Solution Architects and maximize their performance by providing mentoring and coaching.

2000 - 2001   **IT Consultant**

Company   Qantas Airways (www.qantas.com), Sydney, Australia

Department   Group Scheduling Inventory

Responsibilities   Design, development, maintenance, and support of the Group Scheduling Inventory system.

1998 - 2000   **IT Consultant**

Company   Credit Advantage Ltd (now Equifax) (www.equifax.com.au), Sydney, Australia

Equifax is a credit check company that operates Australia-wide.

Department   Application Development

Responsibilities   Design, development, maintenance, and support of various applications.

1996 - 1998   **Senior Analyst Programmer**

Company   Yapi Kredi Bank, Istanbul, Turkey (www.ykb.com.tr)

Yapi Kredi is one of Turkey's largest banks, serving over 10,000,000 customers.

Department   CMS (Card Management System) and POS (Point of Sale)

Responsibilities   Design, development, maintenance, and support of CMS and POS systems.

1993 - 1996   **IT Specialist / Senior Analyst Programmer**

Company   Migros Turk. Istanbul, Turkey (www.migros.com.tr)

	Migros is the largest supermarket chain in Turkey.
Department	IT Application Development
Responsibilities	Design, development, maintenance, and support of HR and Finance applications.

AWARDS/GRANTS/SCHOLARSHIPS

May 2023	Swiss Government Excellence Scholarship (Bourse d'excellence de la Confédération Suisse, Reference. 2023.0366).
	The Swiss Government awarded me a prestigious scholarship for the post-doctorate study of 12 months for the academic year 2023-2024. The award was a monthly payment of CHF 3'500. The post-doctorate took place at the Université de Genève under the supervision of Prof. Axel Finckh in the discipline of clinical research applied to rheumatology. The project title: "Reducing the therapeutic errancy and the time required to find adequate disease-modifying antirheumatic drugs by matching patients with the right medication using machine learning".
October 2023	Geneva University Hospitals granted me 879.39 Swiss Francs to attend the 12th World Congress of the World Institute of Pain conference in Antalya, Turkey.
March 2023	ANZBMS grant for the World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (WCO23) conference registration (valued 995,00 €)
February 2023	UNSW Development and Research Training Grant My university (UNSW) granted me AUD$1,500 to travel for the ACCO 2022 conference, Seoul, South Korea.
October 2022	My abstract titled "The impact of categorizing continuous variables in osteoarthritis research: example from analysis of the association of change in BMI with structural changes and pain in knee and hip osteoarthritis over 4 years" was selected as a Highest Rated Abstract and was awarded 100,000 Won (equivalent to ~AUD$115) in the ACCO 2022, Seoul, South Korea.

PUBLICATIONS

RESEARCH PAPERS PUBLISHED

For all first-author publications, I was responsible for the design of the study and conduct of the analysis, as well as leading the writing of the manuscript and responding to the peer review reports. My contributions to all other publications as co-first author, middle author, or last author, are explained under the listed manuscripts.

1) **ZUBEYIR SALIS**, Blanca Luxan, Tuan Nguyen, Amanda Sainsbury. Association of Decrease in Body Mass Index With Reduced Incidence and Progression of the Structural Defects of Knee Osteoarthritis: A Prospective Multi-Cohort Study. ***Arthritis & Rheumatology*** (https://doi.org/10.1002/art.42307) (Impact factor (2021):15.483; SCIMAGO Journal and Country Rank (SJR) 4/61 (Rheumatology) Quarter 1 [Q1] ranking). Published in 2022.

2) **ZUBEYIR SALIS**, Sainsbury A, Keen H, Gallego B, Jin X. Weight loss is associated with reduced risk of knee and hip replacement: A survival analysis using Osteoarthritis Initiative data. ***International Journal of Obesity*** (https://doi.org/10.1038/s41366-021-01046-3) (Impact factor (2021):5.686; SCIMAGO Journal and Country Rank (SJR) 8/131 (Nutrition and Dietetics) Q1 ranking). Published in 2022.

3) **ZUBEYIR SALIS**, Amanda Sainsbury. Association between change in body mass index and knee and hip replacements: a survival analysis of 7 to 10 years using multi-cohort data. ***Arthritis Care & Research*** (https://onlinelibrary.wiley.com/doi/10.1002/acr.25021) (Impact factor (2021): 5.178; SCIMAGO Journal and Country Rank (SJR) 7/61 (Rheumatology) Q1 ranking). Published in 2022.

4) **ZUBEYIR SALIS**, Amanda Sainsbury. Association of change in BMI with incidence and progression of the structural defects of hip osteoarthritis: data from the OAI and CHECK studies. ***Arthritis Care & Research*** (https://onlinelibrary.wiley.com/doi/10.1002/acr.25057) (Impact factor (2021): 5.178; SCIMAGO Journal and Country Rank (SJR) 7/61 (Rheumatology) Q1 ranking). Published in 2022.

5) Xingzhong Jin*, Alice A Gibson*, **ZUBEYIR SALIS*,** Radhika V Seimon, Claudia Harper, Tania P Markovic, Nuala M Byrne, Shelley E Keating, Emmanuel Stamatakis, Elif Inan-Eroglu, Felipe Q da Luz, Julie Ayre, Amanda Sainsbury. Effect of severe versus moderate energy restriction on physical activity among postmenopausal women with obesity (A pre-specified secondary analysis of the TEMPO Diet randomized controlled Trial). ***The American Journal of Clinical Nutrition*** (https://doi.org/10.1093/ajcn/nqac024) (Impact factor (2021): 8.475; SCIMAGO Journal and Country Rank (SJR) 4/131 (Nutrition and Dietetics) Q1 ranking).

   *Co-first author. I shared the responsibility for the statistical analysis. Published in 2022.

6) Felipe Q da Luz, Amanda Sainsbury, **ZUBEYIR SALIS**, Phillipa Hay, Táki Cordás, Léo Paulos-Guarnieri, Luisa Pascoareli, Renatha El Rafihi-Ferreira. An examination of the relationship between binge eating and sleep problems: a systematic review and meta-analysis. ***International Journal of Obesity*** (https://doi.org/10.1038/s41366-022-01250-9) (Impact factor (2021): 5.686; SCIMAGO Journal and Country Rank (SJR) 8/131 (Nutrition and Dietetics) Q1 ranking). Published in 2022.

   I was responsible for the design and conduct of the meta-analysis component of the study and writing the meta-analysis component of the methods section, as well as responding to some parts of the peer-review report.

7) **ZUBEYIR SALIS**, Li-Yung-Lui, Nancy Lane, Kristine Ensrud, Amanda Sainsbury. Investigation of association of weight loss with hip osteoarthritis in older community-dwelling female adults. ***Journal of the American Geriatrics Society*** (https://doi.org/10.1111/jgs.18371) (Impact factor (2021):7.538; SCIMAGO Journal and Country Rank (SJR) 4/110 (Geriatrics and Gerontology) Q1 ranking). Published in 2023.

8) **ZUBEYIR SALIS**, Blanca Luxan, Amanda Sainsbury. Researchers in rheumatology should avoid categorization of continuous predictor variables. ***BMC Medical Research Methodology*** (https://doi.org/10.1186/s12874-023-01926-4) (Impact factor (2021):4.622; SCIMAGO Journal and Country Rank (SJR) 20/109 (Health Informatics) Q1 ranking).

9) Isabella Lobo, Felipe Q da Luz, Phillipa Hay, Tamiris Lavorato Gaeta, Paula Costa Teixeira, Táki Athanássios Cordás, Amanda Sainsbury, **ZUBEYIR SALIS**. Is binge eating associated with poor weight loss outcomes in people with a high body weight? A systematic review with meta-analyses. **Eating and Weight Disorders - Studies on Anorexia, Bulimia, and Obesity** (https://doi.org/10.1007/s40519-023-01613-9) (Impact factor (2022): 3.4; SCIMAGO Journal and Country Rank (SJR) 102/307 (Clinical Psychology) Q2 ranking). Published in 2023.

   I conceived the design and conducted the meta-analysis component of the study, wrote the meta-analysis section of the methods, and supervised the project as a whole. I also mentored and trained the first author in research methodology and manuscript preparation. Additionally, I served as the corresponding author, overseeing manuscript submission and revisions.

10) **ZUBEYIR SALIS**, Jeffrey Driban, Timothy McAlindon, Amanda Sainsbury. Evaluation of a measure of end-stage knee osteoarthritis compared to total knee replacement: an observational study using multicohort data. **Seminars in Arthritis and Rheumatism** (https://doi.org/10.1016/j.semarthrit.2023.152336) (Impact factor (2022): 5.4; SCIMAGO Journal and Country Rank (SJR) 9/67 (Rheumatology) Q1 ranking). Published in 2023.

11) **ZUBEYIR SALIS (Sole author)**. Investigation of the Association of Long-term NSAID Use with Radiographic Hip Osteoarthritis Over Four to Five Years: Data from the OAI and CHECK Studies. **Osteoarthritis and Cartilage Open** (https://doi.org/10.1016/j.ocarto.2023.100427) (Impact factor (2022): 1.8. Published 2023.

12) **ZUBEYIR SALIS**, Jeffrey Driban, Timothy McAlindon, Charles Eaton, Amanda Sainsbury. Association of Weight Loss and Weight Gain with Structural Defects and Pain in Hand Osteoarthritis: Data from the Osteoarthritis Initiative *Arthritis Care & Research* (https://acrjournals.onlinelibrary.wiley.com/doi/10.1002/acr.25284) (Impact factor (2021): 5.178; SCIMAGO Journal and Country Rank (SJR) 7/61 (Rheumatology) Q1 ranking). Published in 2023.

13) **ZUBEYIR SALIS (Sole author).** Investigation of the Associations of Smoking with Hip Osteoarthritis: A Baseline Cross-Sectional and 4-5 Years Longitudinal Multi-Cohort Study. **ACR Open Rheumatology** (https://doi.org/10.1002/acr2.11644) (Impact factor (2022): 3.4; SCIMAGO Journal and Country Rank (SJR) 16/67 (Rheumatology) Q1 ranking). Published in 2024.

14) **ZUBEYIR SALIS**, Amanda Sainsbury. Association of Long-term Use of Non-Steroidal Anti-Inflammatory Drugs with Knee Osteoarthritis: A Prospective Multi-Cohort Study Over Four to Five Years. **Scientific Reports** (https://www.nature.com/articles/s41598-024-56665-3) (Impact factor (2023): 3.8; SCIMAGO Journal and Country Rank (SJR) 15/175 (Multidisciplinary) Q1 ranking). Published in 2024.

15) **ZUBEYIR SALIS**, Jeffrey Driban, Timothy McAlindon. Predicting the onset of end-stage knee osteoarthritis over two- and five-years using machine learning. **Seminars in Arthritis and Rheumatism** (https://doi.org/10.1016/j.semarthrit.2024.152433) (Impact factor (2022): 5.4; SCIMAGO Journal and Country Rank (SJR) 9/67 (Rheumatology) Q1 ranking). Published in 2024.

16) **ZUBEYIR SALIS (Sole author).** Bisphosphonates Show No Association with Preventing, Slowing, or Delaying Radiographic Changes and Pain in Hip Osteoarthritis: A Four-Year Study in Female Adults Using Data from the Osteoarthritis Initiative Study. **International Journal of Rheumatic Diseases** (https://doi.org/10.1111/1756-185X.15279). (Impact factor (2023): 2.4; SCIMAGO Journal and Country Rank (SJR) 38/71 (Rheumatology) Q3 ranking). Published in 2024.

17) **ZUBEYIR SALIS**, Ryan Gallagher, Luke Lawler, Amanda Sainsbury. Loss of body weight is dose-dependently associated with reductions in symptoms of hip osteoarthritis. *International Journal of Obesity* (https://doi.org/10.1038/s41366-024-01653-w) (Impact factor (2023):4.2; SCIMAGO Journal and Country Rank (SJR) 8/137 (Nutrition and Dietetics) Q1 ranking). Published in 2024.

18) **ZUBEYIR SALIS**, Amanda Sainsbury. Association of smoking with knee osteoarthritis structural defects and symptoms: an individual participant data meta-analysis. **Scientific Reports** (https://doi.org/10.1038/s41598-024-80345-x) (Impact factor (2023): 3.8; SCIMAGO Journal and Country Rank (SJR) 15/175 (Multidisciplinary) Q1 ranking). Published in 2024.

RESEARCH PAPERS IN PREPARATION FOR PUBLICATION
For all first-author publications, I am responsible for the design of the study and conduct of the analysis, as well as leading the writing of the manuscript and response to the peer reviewer reports.

19) **ZUBEYIR SALIS**, Leo Caratsch, Christian Lechtenboemer, Diego Kyburz, Ulrich A Walker, Jeroen Geurts, Thomas Hügle. Association of Body Mass Index with Radiographic Incidence and Progression of Distal Interphalangeal Joint Osteoarthritis in Rheumatoid Arthritis Patients (in preparation)

20) **ZUBEYIR SALIS**, Kim Lauper, Delphine Courvoisier, Axel Finckh. Predicting the remission in rheumatoid arthritis over two years using machine learning (in preparation)

21) Michele Iudici, Xavier Puechal, **ZUBEYIR SALIS.** Identification and Characterization of Baseline Phenotypes in Granulomatosis with Polyangiitis (GPA) and Their Evolution Over Time

22) Romain Aymon, Denis Mongin, Romain Guemara, **ZUBEYIR SALIS**, Sytske Anne Bergstra, Denis Choquette, Catalin Codreanu, René L. Cordtz, Diederik De Cock, Lene Dreyer, Ori Elkayam, Doreen Huschek, Kimme L. Hyrich, Florenzo Iannone, Nevsun Inanc, Lianne Kearsley-Fleet, Eirik K. Kristianslund, Tore K. Kvien, Burkhard Leeb, Galina Lukina, Dan Nordström, Karel Pavelka1, Manuel Pombo-Suarez, Ana Rodrigues, Ziga Rotar, Anja Strangfeld, Patrick Verschueren, Jakub Zavada, Delphine Courvoisier, Axel Finckh, Kim Lauper. Incidence of major adverse cardiovascular events in patients with rheumatoid arthritis treated with JAK-inhibitors compared to bDMARDs: data from an international collaboration of registries (the "JAK-pot" study) (submitted, under review)

23) Romain Aymon, Céline Lamacchia, Benoit Gilbert, **ZUBEYIR SALIS**, Maresa Grundhuber, Isabel Gehring, Sascha Swiniarski, Olivia Studer, Pascale Roux-Lombard , Jean Dudler, Romain Guemara , Burkhard Möller, Ines von Mühlenen, Diego Kyburz, Andrea Rubbert-Roth, Adrian Ciurea, Rüdiger Müller, Delphine S Courvoisier, Axel Finckh. Identification of individuals at high risk of developing Rheumatoid Arthritis: a Balanced Random Forest model in a cohort of 1526 first-degree relatives (in preparation)

ORAL RESEARCH PRESENTATIONS AT INTERNATIONAL CONFERENCES

June 2024	Presenting author European Alliance of Associations for Rheumatology (EULAR) European Congress of Rheumatology 2024, Vienna, Austria. Predicting the onset of end-stage knee osteoarthritis over two- and five- years using machine learning (**ZUBEYIR SALIS**, Jeffrey Driban, and Tim McAlindon). My abstract was one of only 307 abstracts selected for oral presentation, from a total of 4,582 abstract submissions (i.e., in the top 7% of submitted abstracts)
October 2023	Presenting author 12th World Congress of the World Institute of Pain, 2023, Antalya, Turkey Association of Long-Term Use of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) with Worsening Symptoms and Structural Changes of Knee Osteoarthritis: An Individual Patient Data Meta-Analysis of Cohort Studies (**ZUBEYIR SALIS**, Amanda Sainsbury).
June 2023	Presenting author European Alliance of Associations for Rheumatology (EULAR) European Congress of Rheumatology 2023, Milan, Italy. Compared to people who never smoked, current smokers but not former smokers have worse knee osteoarthritis symptoms and structural defects: individual participant data meta-analyses of multi-cohort data (**ZUBEYIR SALIS**, and Amanda Sainsbury). EULAR 2023 was attended by over 18,000 participants. My abstract was one of only 307 abstracts selected for oral presentation, from a total of 4,582 abstract submissions (i.e., in the top 7% of submitted abstracts)
April 2023	Presenting author The Asian Conference on Aging & Gerontology (AGen2023), Tokyo, Japan. Association of Weight Loss With Hip Osteoarthritis in Older Community-Dwelling Female Adults (**ZUBEYIR SALIS**, Li-Yung Lui, Nancy Lane, Kristine Ensrud, and Amanda Sainsbury). The abstract and the presentation can be found in this link.
October 2022	Presenting Author 1st Asian Conference of Cartilage and Osteoarthritis (ACCO) 2022, Seoul, South Korea The impact of categorizing continuous variables in osteoarthritis research: example from analysis of the association of change in BMI with structural

changes and pain in knee and hip osteoarthritis over 4 years (**ZUBEYIR SALIS**, Blanca Gallego, Amanda Sainsbury)

The abstract was selected as the Highest Rated Abstract and was awarded 100,000 Won (equivalent to ~AUD$115).

August 2022	Presenting Author Australia and New Zealand Bone and Mineral Society (ANZBMS) Annual Scientific Meeting 2022, Gold Coast, Australia Loss of body mass index (BMI) reduces the need for knee replacement: a multi-cohort survival analysis (**ZUBEYIR SALIS**, Amanda Sainsbury). The abstract can be found here.
June 2022	Presenting Author European Alliance of Associations for Rheumatology (EULAR) European Congress of Rheumatology 2022, Copenhagen, Denmark Weight loss is associated with reduced incidence and progression of structural defects in knee osteoarthritis, as assessed by radiography over 4 to 5 years: a prospective multi-cohort study (**ZUBEYIR SALIS**, Blanca Gallego, Tuan Nguyen, Amanda Sainsbury) EULAR 2022 was attended by over 18,000 participants. My abstract was one of only 309 abstracts selected for oral presentation, from a total of over 4500 abstract submissions (i.e., in the top 7% of submitted abstracts)
July 2021	Presenting Author (virtual conference due to COVID restrictions) Australian and New Zealand Obesity Society (ANZOS) Annual Scientific Meeting 2021 Weight loss reduces the need for total knee replacement: A survival analysis using Osteoarthritis Initiative data (**ZUBEYIR SALIS**, Amanda Sainsbury, Xingzhong Jin). The abstract can be found in the following link.

POSTER PRESENTATION AT INTERNATIONAL CONFERENCES

June 2024	Poster Presentation (attended in person) European Alliance of Associations for Rheumatology (EULAR) European Congress of Rheumatology 2023, Vienna, Austria. Loss of body weight is dose-dependently associated with reductions in symptoms of hip osteoarthritis (**ZUBEYIR SALIS**, Ryan Gallagher, Luke Lawler, and Amanda Sainsbury). The abstract can be found in this link.
June 2023	Poster Presentation (attended in person) European Alliance of Associations for Rheumatology (EULAR) European Congress of Rheumatology 2023, Milan, Italy. A novel measure of end-stage knee osteoarthritis reduces the duration and sample size required for observational studies and trials (**ZUBEYIR SALIS**, Jeffrey Driban, Tim McAlindon, Amanda Sainsbury). The abstract can be found in this link.
May 2023	Poster Presentation (attended in person) World Congress on Osteoporosis, Osteoarthritis, and Musculoskeletal. Diseases 2023, Barcelona, Spain No association of weight loss and weight gain with structural defects and pain

in hand osteoarthritis: data from the osteoarthritis initiative (**ZUBEYIR SALIS**, Jeffrey Driban, Tim McAlindon, Charles Eaton, Amanda Sainsbury). The abstract can be found in this link.

October 2022	Poster Presentation (attended in person).
	1st Asian Conference of Cartilage and Osteoarthritis (ACCO) 2022, Seoul, South Korea
	Association of change in body mass index with incidence and progression of the structural defects of hip osteoarthritis as assessed by radiography over 4 to 5 years: data from the OAI and CHECK studies (**ZUBEYIR SALIS**, Amanda Sainsbury).
	Link to the abstract.

CHAIRING AT INTERNATIONAL CONFERENCES

July 2021	Co-chairing a session of invited speakers (virtual conference due to COVID restrictions)
	Australian and New Zealand Obesity Society (ANZOS) Annual Scientific Meeting 2021
	Concurrent Symposium 3 - Clinical

MEDIA/COMMUNITY EDUCATION

Various publicity on the manuscript: Association of Decrease in Body Mass Index With Reduced Incidence and Progression of the Structural Defects of Knee Osteoarthritis: A Prospective Multi-Cohort Study

September 2023	American College of Rheumatology (ACR) newsletter (5 September 2023)
	The article was listed among the recent examples of important, practice-changing papers that were published by the Arthritis & Rheumatology, which is the official journal of ACR.
June 2023	Podcast interview with David Hunter at Joint Action Podcast.
	The interview was conducted by Prof. David Hunter, the world's leading expert on osteoarthritis.
April 2023	Audio interview with doctors.net.uk (the UK's largest professional network of 249,821 doctors).
March 2023	Decreasing BMI May Reduce Progression of Knee Osteoarthritis.
	DocWireNews website.
September 2022	My article in Arthritis and Rheumatology was selected by the publisher (Wiley) to feature in Wiley's Research Headlines. This mailing, sent twice each month, includes summaries of the most newsworthy embargoed research from more than 1,600 journals published by Wiley. Nearly 2,000 journalists received the embargoed mailing, and another 4,000 journalists received a subject-targeted version. A summary of my research was shared on EurekAlert (a science newswire that provides exposure to more than 14,000 reporters from 90+ countries), and was amplified via @WileyNews on Twitter (more than 4,700 followers).
September 2022	Losing Weight May Help Prevent Knee Arthritis, Study Finds.
	WebMD website (attracts approximately 127,7 Million visits monthly)
September 2022	Losing Weight Tied to Better Knee Osteoarthritis Outcomes.
	Physician's Weekly website.
September 2022	Losing Weight Tied to Better Knee Osteoarthritis Outcomes.
	Health Day website.
September 2022	Lowering of BMI linked with slower worsening of knee osteoarthritis.
	Medical Dialogues website (India based).
September 2022	Can losing weight combat the structural defects of knee osteoarthritis?.

MedicalXpress website.

August 2022	[Weight loss could mitigate structural defects in knee osteoarthritis](#)
	Medicine Matters Rheumatology website.
August 2022	[Lose Weight, Slow Knee OA Progression? New Study Suggests Yes](#)
	MedPage Today website.

The publicities for my other publications listed in below:

December 2023 — [Relevant publications in the field: Evaluation of a Measure of End-Stage Knee Osteoarthritis Compared to Total Knee Replacement: An Observational Study Using Multicohort Data](#)

The study "Evaluation of a Measure of End-Stage Knee Osteoarthritis Compared to Total Knee Replacement: An Observational Study Using Multicohort Data:" was promoted in the Osteoarthritis Research Society International (OARSI) eNews, which is a newsletter delivered via email weekly to all members of OARSI.

November 2023 — [Long-term NSAID use harmful in knee OA](#)

Rheumatology Republic website.

July 2022 — [Osteoarthritis Research: News You Can Use From EULAR 2022](#)

The study that I presented at the EULAR 2022 conference was highlighted and quoted in the latest research news article on the Everyday Health website.

June 2022 — EULAR Press Release: "[EULAR 2022: Osteoarthritis Represents Risk For Variety Of Comorbidities Across Different Organ Systems](#)"

My presentation for the EULAR conference was selected as one of only 57 out of 309 oral presentations advertised in the EULAR Press Release.

December 2021 — The article titled "[Why do I keep eating when I'm full? Experts explain](#)" was published in [the Conversation](#).

I am the co-author of the article although the article lists me as a contributor. The reason is that I was a Masters student when I co-wrote the article, that the Conversation policy does not allow Masters students to be listed as authors, therefore I was listed as a contributor.

TRANSLATIONAL RESEARCH OUTPUT

2024 — Development of a [Predictive Tool for End-Stage Knee Osteoarthritis (esKOA WebApp)](#)

- Spearheaded the development and validation of a predictive tool designed to estimate the probability of patients developing end-stage knee osteoarthritis over two and five years. The tool is publicly available and can be accessed via the following link: [esKOA WebApp](#)

2024 — Development and Validation of the p-esKOA Biomarker for Predicting End-Stage Knee Osteoarthritis (U.S. Food & Drug Administration (FDA) review in progress)

- Led the innovation and development of a novel biomarker, named "Probability Score for End-Stage Knee Osteoarthritis (p-esKOA)", designed to predict the progression to end-stage knee osteoarthritis.
- Played a pivotal role in the biomarker's regulatory submission, emphasizing its potential to revolutionize patient stratification, treatment customization, and clinical decision-making processes in rheumatology. The submission is being currently reviewed by FDA.

2021 — Co-designer of [WINK by Amanda Salis App.](#)

- Collaboratively designed and launched a mobile application focused on scientifically-based weight loss strategies, contributing to both front-end and algorithmic development. Available for free download at the Apple App Store, tailored for effective weight management support.

CONTRIBUTIONS TO TRANSLATIONAL RESEARCH and SCIENTIFIC COMMUNITY

July 2023 – December 2024	Member of the University of Western Australia (UWA) Low Risk Ethics Review Panel
	Ethically review low risk research involving humans.
March 2021	Finding a bug in STATA v16 software
	The forest plot for the subgroup meta-analysis was not produced correctly. The bug I found has been acknowledged by STATA and they have fixed it in v16..
December 2021	Finding discrepancies in a registry for osteoarthritis (the Osteoarthritis Initiative [OAI]).
	The OAI is a significant research registry that was initiated in 2002 and concluded in 2015. It is a collaborative effort involving the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), the National Institute on Aging (NIA), and various private-sector entities. The registry serves as a valuable resource for diverse clinical and image data, providing open access to researchers worldwide.
	The discrepancies I found were for the hip radiographic osteoarthritis summary score for a baseline visit and follow-up visit 6 between the datasets of OAI Hip Radiograph Semi-Quant Scoring and Hxr_sq_summary.
	The discrepancy I found has been acknowledged by the OAI team as mis-mapping of data and the database is being re-done as a result.

PEER REVIEWS

2025	Seminars in Arthritis and Rheumatism (1 review)
2024	Arthritis & Rheumatology (1 review)
	Arthritis Research & Therapy (1 review)
2023	American Journal of Preventive Medicine (1 review)
	Scientific Reports (1 review)
	Risk Management and Healthcare Policy (1 review)
2022	American Journal of Preventive Medicine (1 review)
	Clinical Obesity (1 review)
	International Journal of Obesity (1 review)
	Osteoarthritis and Cartilage Open (1 review)
	Reproductive BioMedicine Online (2 reviews)
	Journal of Bone and Mineral Research (1 review)
	Obesity (1 review)

MEMBERSHIPS IN PROFESSIONAL ORGANISATIONS

2022 - present	Australian and New Zealand Bone and Mineral Society (ANZBMS), (www.anzbms.org.au)
2022 - present	Osteoarthritis Research Society International (OARSI), www.oarsi.org)
2022 - present	The Obesity Society (TOS), www.obesity.org)
2021 - present	Australian and New Zealand Obesity Society (ANZOS), www.anzos.com)
2001 - present	Australian Computer Society (ACS) (www.acs.org.au), senior member

RESEARCH TRAINING COURSES COMPLETED

August - September 2021	Introduction to Regression Modelling in R (the University of New South Wales, 17.5 hours, instructed by the University of New South Wales Stats Central staff)
July 2021	Research Data Management (the University of New South Wales, 2 hours, instructed by the University of New South Wales library staff)
May 2021	Introductory Statistics for Researchers using R (the University of New South Wales, 16 hours, instructed by the University of New South Wales Stats Central staff)
May 2021	Introduction to R (the University of New South Wales, 7 hours, instructed by the University of New South Wales Stats Central staff)
April 2021	Research Integrity Course (the University of New South Wales, 4 hours)
April - June 2021	Higher Degree Research Essentials (the University of New South Wales, 15 hours, instructed by various the University of New South Wales department staff)
March 2021	Write your paper in 2 weeks (Salis Institute, 10 hours, instructed by Prof. Amanda Sainsbury)
May 2017	Introduction to Systematic Review and Meta-Analysis (Johns Hopkins University; 14 hours; instructed by Dr. Tianjing Li and Prof. Kay Dickersin)
February 2017	Meta-Analysis workshop (18 hours; instructed by Prof. Michael Borenstein)

STATISTICS TOOLS
- STATA software (Competent)
- R software (Competent)
- Comprehensive Meta-Analysis (CMA) Software (Competent)

TECHNICAL SKILLS
- Strong technical knowledge and expertise in many IT domains (software and hardware)
- Jira, Confluence, SharePoint, MS Project, MS Office, Visio, Reporting, and Analytics Tools (Cognos Analytics, etc.), Databases (Oracle, SQL, DB2), InfoPath
- Big Data, datawarehousing
- Cloud Computing (Private, AWS, Azure)
- Web design and internet security
  I apply the above IT skills in my research for data collection and organization, data analysis, data visualization, research project setup and management, collaborations, writing research outputs, and research dissemination.

LANGUAGES
- English (bilingual proficiency)
- French (upper intermediate)
- Turkish (native)

REFERENCES

1) A/Prof. Dr. Blanca Gallego Luxan (Centre for Big Data Research in Health, The University of New South Wales, email: **b.gallego@unsw.edu.au**)

2) Prof, Dr. Axel Finckh (Service de Rhumatologie / Hôpitaux Université de Genève, email: **axel.finckh@hug.ch**)