

PhD Project Description

School/Department:	'Musculoskeletal disorders' at the Department of General Practice, and Orthopedic Surgery																
Supervisor information:	<ul style="list-style-type: none"> • Prof dr SMA Bierma-Zeinstra • Email: s.bierma-zeinstra@erasmusmc.nl • Website: https://www.erasmusmc.nl/en/research/groups/general-practice • Personal Grants: <ul style="list-style-type: none"> - Early identification and prevention of knee osteoarthritis (NWO VIDI) - "Anna Pijls" (National award for excellent biomedical musculoskeletal research) - Clinical Research Award of the Osteoarthritis Research Society International (OARSI) • Most important publications: <table border="0"> <tr> <td>Br J Sports Med 2020; 54(14):822-824</td> <td>Nat Genetics, 2014;46(5):498-502</td> </tr> <tr> <td>Lancet 2019; 393:1745-59</td> <td>JAMA, 2013;310(8):837-847</td> </tr> <tr> <td>Nat Rev Rheumatol 2019;15:438-448</td> <td>Nature Rev Rheum, 2013;9(10):630-4</td> </tr> <tr> <td>Ann Rheum Dis 2018;77:875-882</td> <td>Nat Genetics, 2011;43(2):121-6</td> </tr> <tr> <td>Nat Rev Rheum, 2017;13(12):705-706</td> <td>BMJ, 2010;341:c5688</td> </tr> <tr> <td>JAMA, 2017;318(12):1184</td> <td>JAMA, 2010;303(2):144-9</td> </tr> <tr> <td>BMJ, 2017; 356:j1131</td> <td>BMJ, 2009;339:b4074</td> </tr> <tr> <td>N Engl J Med, 2014;370(26):2546-7</td> <td></td> </tr> </table> 	Br J Sports Med 2020; 54(14):822-824	Nat Genetics, 2014;46(5):498-502	Lancet 2019; 393:1745-59	JAMA, 2013;310(8):837-847	Nat Rev Rheumatol 2019;15:438-448	Nature Rev Rheum, 2013;9(10):630-4	Ann Rheum Dis 2018;77:875-882	Nat Genetics, 2011;43(2):121-6	Nat Rev Rheum, 2017;13(12):705-706	BMJ, 2010;341:c5688	JAMA, 2017;318(12):1184	JAMA, 2010;303(2):144-9	BMJ, 2017; 356:j1131	BMJ, 2009;339:b4074	N Engl J Med, 2014;370(26):2546-7	
Br J Sports Med 2020; 54(14):822-824	Nat Genetics, 2014;46(5):498-502																
Lancet 2019; 393:1745-59	JAMA, 2013;310(8):837-847																
Nat Rev Rheumatol 2019;15:438-448	Nature Rev Rheum, 2013;9(10):630-4																
Ann Rheum Dis 2018;77:875-882	Nat Genetics, 2011;43(2):121-6																
Nat Rev Rheum, 2017;13(12):705-706	BMJ, 2010;341:c5688																
JAMA, 2017;318(12):1184	JAMA, 2010;303(2):144-9																
BMJ, 2017; 356:j1131	BMJ, 2009;339:b4074																
N Engl J Med, 2014;370(26):2546-7																	
Project Title:	The early diagnosis, prognosis and (subgroup specific) treatment of osteoarthritis																
Abstract:	<p>Osteoarthritis is the most common form of rheumatic diseases. Due to the aging population and the high prevalence of overweight and obesity, the prevalence of osteoarthritis is rising. In the Netherlands, osteoarthritis is expected to be the most prevalent disease by 2040.</p> <p>The majority of patients with osteoarthritis are treated in primary care and orthopedic practice. Early diagnosis, identification of high-risk groups, and surrogate outcomes in early OA can help optimizing treatment for patients with osteoarthritis, or even prevention.</p> <p>As there is no cure for osteoarthritis, current treatment focusses on symptomatic relief. On average, treatment effects of guideline recommended treatments for osteoarthritis provide small to moderate improvements in pain and function. Nevertheless, subgroups of patient with osteoarthritis do respond strongly to certain types of interventions and should hence be identified for optimal treatments effect.</p> <p>Within this internationally renowned research group, multiple research projects on the epidemiology and (subgroup specific) treatment of osteoarthritis in primary care are available for highly motivated junior researchers.</p>																
Requirements of candidate:	<ul style="list-style-type: none"> • We are looking for a highly motivated, hardworking student to join our very international team. Our strength is in using teamwork to tackle large scientific questions and thus requires a student with good communication skills. • Master degree or MD • Scholarship that will, at least, cover subsistence allowance and international air plane ticket (we could help with the scientific part of your scholarship proposal) • English language requirement: • <i>English speaking countries & Netherlands:</i> no requirement • <i>Other countries:</i> IELTS 7.0 (min 6.0 for all subs), TOEFL 100 (min 20 for all subs) 																

Application requirements & Deadlines:

<https://www.eur.nl/en/about-eur/erasmus-university-china-centre/csc-scholarship>

Erasmus MC, ranked world

* No.32 for Clinical Medicine US News 2020:

<https://www.usnews.com/education/best-global-universities/clinical-medicine?page=3>

* No. 30 Nature Index for Biomedical Sciences 2019:

<https://www.natureindex.com/supplements/nature-index-2019-biomedical-sciences/tables/healthcare>