

Partner Search

Contact Details

Name: Professor Roozbeh Naemi

Name of the organisation: Staffordshire University, Faculty of Health Sciences

Region: West Midlands, United Kingdom

Contact information: Tel: +44 (0)1782 295879 Email: r.naemi@staffs.ac.uk

Profile: <https://www.staffs.ac.uk/staff/profiles/rn7.jsp>

Staffordshire University Faculty of Health: https://www.staffs.ac.uk/academic_depts/health/

Biomechanics facilities: http://www.staffs.ac.uk/academic_depts/pse/facilities/biomechanics/index.jsp

Partner Search

Short outline of the project idea: **Personalising health and care, Health co-ordination activities**

Relevant EU programme:

PHC 17 – 2014: Comparing the effectiveness of existing healthcare interventions in the elderly

PHC 20 – 2014: Advancing active and healthy ageing with ICT: ICT solutions for independent living with cognitive impairment

PHC 21 – 2015: Advancing active and healthy ageing with ICT: Early risk detection and intervention

PHC 22 – 2015: Promoting mental wellbeing in the ageing population

PHC 23 – 2014: Developing and comparing new models for safe and efficient, prevention oriented health and care systems:

PHC 25 – 2015: Advanced ICT systems and services for Integrated Care

PHC 26 – 2014: Self-management of health and disease: citizen engagement and mHealth

PHC 27 – 2015: Self-management of health and disease and patient empowerment supported by ICT

PHC 29 – 2015: Public procurement of innovative eHealth services

HCO 5 – 2014: Global Alliance for Chronic Diseases: prevention and treatment of type 2 diabetes

(We are also interested to participate in other relevant calls including ICT and NMP i.e. calls related to footwear manufacturing sector, orthotic and insole production, ICT for health, Ambient Assistive Leaving)

Partners involved: n/a

Partner profile you are seeking: Not limited

Specific regions or cities you are seeking: Not limited

What role could you play in a consortium: We like to be approached to be a partner in consortium lead and coordinated by those who are planning to submit to call

Experience in EU programmes:

FP7-PEOPLE-2011-IAPP - Development of a new generation of DIABetic footwear using an integrated approach and SMART materials (DiaBSmart)

DiaBSmart aims to generate, transfer and exchange the clinical, academic and manufacturing knowledge between the partners to create a new generation of diabetic footwear through a newly developed patient assessment system. The transfer of knowledge between various sectors ensures that the need of patients is considered and transferred effectively to product development using a scientific approach. The objectives include: (1) the design and development of an integrated system of DIABetic foot assessment (2) to validate the developed system using experimental methods (3) to develop a suitable material to meet the mechanical and clinical requirements (4) to evaluate the mechanical and clinical effectiveness of material choice in reducing the potential risk of foot complications. This is an ongoing project.

Current activities (including non-EU programmes) within the Biomechanics Facility include:

Protocol development for human movement research. These protocols are intended to be used to underpin product development and evaluation, e.g. footwear research and Clinical Gait Analysis.

- Falls assessment and identifying predictors for falls.
- Methods to reliably map the user needs in elderly and disabled population. These protocols are essential for product development, product enhancement, market research, etc..
- Foot/ footwear research (lower limb biomechanics, Patient specific finite element modelling of the human foot):
- Therapeutic and Diabetic Footwear (footwear modifications/ orthotic intervention)
- Sports Footwear (Cycling boots, Skating boots – design and development aspects)
- Sports Biomechanics - related research (Rehabilitation – Sports equipment, Various)
- Medical and Assistive Technology
- Biomechanical Assessment of the Diabetic foot and footwear (Material testing, Product design and Development)