

EADC Resident and Research Fellow Section (RRFS)

Exchange through internship programs

Name and location EADC hosting center

Karolinska institutet and Karolinska University Hospital

Center for Alzheimer Research (CAR)

Stockholm, Sweden

Link to center's website

www.ki.se

<https://ki.se/en/nvs/research/centres-at-nvs/center-for-alzheimer-research/about-the-center-for-alzheimer-research-car>

PI of the EADC hosting center

Prof. Eric Westman

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Contact person of the EADC hosting center

Give full coordinates of the person that can be contacted by the RRFS member for additional information

Dorota.Religa@ki.se

Senior Consultant, Md, PhD, Professor

Description of the center

Give a full description of main clinical and research activities

Karolinska University Hospital (KUH) is one of the largest university hospitals in Europe. Together with the world-renowned Karolinska Institutet (KI), KUH is at the forefront of medical breakthroughs with the aim of knowing more tomorrow than we know today. Karolinska University Hospital once again achieves a prominent position in Newsweek magazine's ranking "World's Best Hospitals". For the fifth year in a row, the hospital is in the top 10 and ranks seventh in the world. Totally 15 000 people work at KUH and almost 7000 at KI.

Memory clinics belong to Tema Inflammation and Aging and are in two sites Solna and Huddinge. Totally 1200 person work in Thema Inflammation and Aging. The clinical head is Carina Metzner. There is several professors associated with the unit, Dorota Religa, Maria Eriksdotter, Miia Kivipelto, Eric Westman, Maria Ancarkrona.

Dataset available for research connected to memory Clinics

GEDOC is the electronic database and biobank for clinical dementia research at the Memory Clinic, Karolinska University Hospital, Huddinge. About 600 new patients/year are examined at the clinic, and GEDOC includes >12 000 patients and comprehensive longitudinal data >10 years. The database includes all patients referred for suspected dementia, and who have signed the GEDOC informed consent. Only about 1/3 have dementia at referral, and 2/3 have subjective cognitive complaints or mild cognitive impairment (MCI). GEDOC is regularly updated in both content (i.e. new visits and follow-ups) and technical aspects. Types of data: detailed medical, cognitive, functional; CSF biomarkers; neuroimaging (MRI, and PET-subsamples); genetic (APOE, DNA available); blood markers.

Karolinska Center holds Swedish dementia registret SveDem

www.svedem.se

Swedish registry for cognitive/dementia disorders, SveDem

The Swedish registry for cognitive/dementia disorders, SveDem, is a national quality registry on dementia disorders. The number of patients suffering from dementia is increasing, mainly due to the increased number of older adults. In Sweden, 150 000 individuals suffer from dementia and 2/3 of them have Alzheimer's disease (AD). The national quality registry SveDem was initiated to achieve dementia care of similar and high quality in the whole country for patients with dementia disorders.

SveDem started in May 2007. The aim is a registry with national coverage. Patients newly diagnosed with dementia disorder are registered and followed up annually. Age, gender, heredity, BMI, MMSE scores, diagnoses, dementia work-up investigations, medical treatment, support from community etc. The registry is continuously growing. 121 218 patients are now registered and the registry has 115 390 baseline registrations and 122 334 follow-up registrations.

100% of all memory clinics in Sweden are currently participating in SveDem.

Internship program

Give a description of the contents of an internship program at the hosting center. If desirable, give separate descriptions for clinicians and for researchers. Indicate the optimal duration of an internship program (preferably max 4 weeks)

Combine Research and Clinical fellowship for MD, resident in geriatrics or neurology or close specialities.

Program 2-4 weeks will be designed as follows according the Scientific and Educational needs of the candidate

Memory clinics in Huddinge or/and Solna upp to 5 days

Participation in diagnostic work up 2 days

Introduction to Swedish Dementia Registry SveDem 3 days

CAR activities - research and possibility to presentation of own center and own research 1-2 days

Traffic Medicine unit - fitness to drive examination in Alzheimer disease - unique highly specialized reference center - 2 days (or more according the needs)

Inpatients Dementia diagnostic

Research facilities - biobank GEDOC, 7Tesla MRK , 2-3 days or more according the needs

Dementia Care facilities (long term care facilities LTCF- 2-3 days according the needs

Education in Dementia - Master Program Silvia Doctors intro to different educational platforms at KI - 1-3 days according the needs of the fellow