

## CEPAR Summer Scholarship Application Form 2022/23

**Project Code:** CEPARSS2305

### Project title

Provide a short descriptive title of no more than 20 words.

The Prospective Association between Intrinsic Capacity and Falls among Chinese Older People

### Supervisor

Name: Gaoyun (Sophie) Yan	Location: UNSW Sydney	Email: <a href="mailto:g.yan@unsw.edu.au">g.yan@unsw.edu.au</a>
------------------------------	-----------------------	---

### Project summary

Intrinsic capacity, introduced by the WHO in 2015, is the composite of all the physical and mental capacities of an individual, including domains as vitality, locomotor, sensory, cognitive, and psychological. This new concept has been attracting academic attention in line with a shift in the approach of healthy ageing from disease-oriented to functional ability-oriented. According to the concept and related theory, intrinsic capacity, together with the environment and the interaction of environment and intrinsic capacity, determines one's functional ability that enables wellbeing in older age. Among health outcomes, falls are common among older adults and impose detrimental effects on the physio and psychological health of older adults. The determinants of pervasive falls among older adults are multifold, including but not limited to biological, behavioural, environmental, and socioeconomic factors. However, to what extent intrinsic capacity and five domains are associated with incident falls is yet to be examined.

Given the limited evidence, in this project, we aim to investigate the prospective association between intrinsic capacity (the general index and sub-indices referring to five domains) and i) incidence of fall and ii) fall trajectory among older people aged 65 and above. This study will be one of the very early attempts using validated intrinsic capacity to explore its effectiveness in indicating subsequent fall among the older adults.

### Role of the scholarship holder(s) in the project

Provide research assistance with literature review, with a potential focus on group-based trajectory modelling

### Required knowledge, skills and/or training

- i) Solid literature review skills
- ii) Adequate knowledge of statistical modelling in health or public health or longitudinal data structure

**Preference**

Applicants with an understanding of statistical modelling in public health are preferred
--

**Work period**

The work period may be broken into two parts as students will not be expected to work during the UNSW shutdown over Christmas/New Year.

Total work weeks: up	The supervisor and the scholarship holder will discuss a mutually acceptable 6 week period over the summer term.
----------------------	--