



**HAL**  
open science

## Is "pre-preclinical AD" helpful to the EU/US CTAD Task Force?

Timothy Daly

► **To cite this version:**

Timothy Daly. Is "pre-preclinical AD" helpful to the EU/US CTAD Task Force?. The Journal of prevention of Alzheimer's disease, 2021, pp.1-1. 10.14283/jpad.2021.65 . hal-03474644

**HAL Id: hal-03474644**

**<https://hal.sorbonne-universite.fr/hal-03474644v1>**

Submitted on 10 Dec 2021

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Is “pre-preclinical AD” helpful to the EU/US CTAD Task Force?

Timothy Daly<sup>1</sup>, PhD

1 Sorbonne Université, Sciences Norms Democracy, UMR 8011, Paris, France.

Corresponding e-mail: [timothy.daly@sorbonne-universite.fr](mailto:timothy.daly@sorbonne-universite.fr)

In their article in the Journal of Prevention of Alzheimer’s Disease on “Platform Trials to Expedite Drug Development in Alzheimer’s Disease: A Report from the EU/US CTAD Task Force”, Aisen and colleagues [1] offer an important description of the latest developments of these trials which are “essential to ensure that the field builds on and moves past the previous disappointments that have plagued amyloid trials ... by testing the predictive value of biomarker status and the surrogate value of biomarkers” (p. 311, *ibid*). But defending early platform trials and describing the individuals involved in them can be done without the concept of “pre-preclinical AD” defended by the authors (p. 309, *ibid*). There are four reasons why.

Firstly, there is already significant controversy surrounding *preclinical* Alzheimer’s Disease and anti-amyloid strategies, so by adding another prefix (*pre-preclinical* AD), the term risks alienating critics from meaningful dialogue around these important trials in an already divided community [2]. Secondly, the International Working Group has reiterated its position that “biomarker-positive cognitively unimpaired individuals should be considered only at-risk for progression to Alzheimer’s disease” (p. 484, [3]). It could therefore be argued, with such reasoning, that “pre-preclinical Alzheimer’s Disease” simply means being at risk of being at risk of developing dementia, and can lead to confusion. Thirdly, patients and their families are concerned by such labels, and for all the research community’s talk of a continuum, the lay conception of Alzheimer’s Disease is still that of an irreversible death sentence [4]. Thus, framing and communicating such a label with its normative connotations (i.e. of a current or impending disease state), could cause needless harm. Finally, there are neutral alternatives, including “cognitively unimpaired individuals with a low burden of A $\beta$  pathology” as proposed by researchers who have made meticulous

efforts to define different thresholds at different levels of A $\beta$  and other pathologies, measured with different methodologies [5].

Thus, promoting these valuable trials may be made unnecessarily harder by the use of the label “pre-clinical AD” and the EU/US CTAD Task Force’s efforts might therefore benefit from dropping it.

#### Acknowledgements

Timothy Daly’s doctoral work is supported by a Fondation Médéric Alzheimer doctoral bursary.

#### References

1. P. S. Aisen *et al.*, Platform Trials to Expedite Drug Development in Alzheimer's Disease: A Report from the EU/US CTAD Task Force. *J Prev Alzheimers Dis* **8**, 306-312 (2021).
2. T. Daly, M. Houot, A. Barberousse, A. Petit, S. Epelbaum, A Proposal to Make Biomedical Research into Alzheimer's Disease More Democratic Following an International Survey with Researchers. *J Alzheimers Dis Rep* **5**, 637-645 (2021).
3. B. Dubois *et al.*, Clinical diagnosis of Alzheimer's disease: recommendations of the International Working Group. *Lancet Neurol* **20**, 484-496 (2021).
4. M. Smedinga, E. M. Bunnik, E. Richard, M. H. N. Schermer, The Framing of "Alzheimer's Disease": Differences Between Scientific and Lay Literature and Their Ethical Implications. *Gerontologist*, (2020).
5. M. Milà-Alomà *et al.*, Cognitively unimpaired individuals with a low burden of A $\beta$  pathology have a distinct CSF biomarker profile. *Alzheimers Res Ther* **13**, 134 (2021).