

Thématiques de recherches en gériatrie: Troubles neurocognitifs

Session DES de gériatrie

Dr Guillaume SACCO MD, PhD

CHU de Nice



Liens d'intérêt

- Biogen
- Pfizer
- Novonordisk
- Bayer
- BMS



Objectif pédagogique

- Initier un travail de recherche avec une méthodologie adaptée



Déroulé

- Enjeux et grandes questions en cours
- Equipes de recherche en France
- Bases de données en France
- Comment s'intégrer dans ces thématiques?



Enjeux et grandes questions en cours

- 7^{ème} cause décès

- 1^{ère}



1,2 millions

2/3 Alzheimer



Enjeux et grandes questions en cours



Enjeux et grandes questions en cours



Alzheimer

Review > [Nat Rev Neurosci.](#) 2022 Jan;23(1):53-66. doi: 10.1038/s41583-021-00533-w.

Epub 2021 Nov 23.

The probabilistic model of Alzheimer disease: the amyloid hypothesis revised

Giovanni B Frisoni ^{1 2}, Daniele Altomare ^{3 4}, Dietmar Rudolf Thal ^{5 6}, Federica Ribaldi ^{3 4 7 8},
Rik van der Kant ^{9 10}, Rik Ossenkoppele ^{9 11}, Kaj Blennow ¹², Jeffrey Cummings ¹³,
Cornelia van Duijn ^{14 15}, Peter M Nilsson ¹⁶, Pierre-Yves Dietrich ¹⁷, Philip Scheltens ^{9 18},
Bruno Dubois ^{19 20}



Enjeux et grandes questions en cours

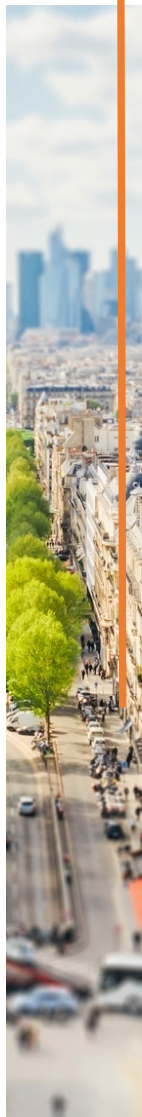


Alzheimer

Review > [Cells](#). 2021 Oct 27;10(11):2903. doi: 10.3390/cells10112903.

Dissecting the Crosstalk between Endothelial Mitochondrial Damage, Vascular Inflammation, and Neurodegeneration in Cerebral Amyloid Angiopathy and Alzheimer's Disease

Rebecca M Parodi-Rullán ¹, Sabzali Javadov ², Silvia Fossati ¹, ... Federica Ribaldi ^{3 4 7 8},
... Nilsson ¹⁶, Pierre-Yves Dietrich ¹⁷, Philip Scheltens ^{9 18},



Enjeux et grandes questions en cours



Alzheimer et les autres...

Review > [Int J Mol Sci. 2022 Jun 7;23\(12\):6371. doi: 10.3390/ijms23126371.](#)

Biomarkers of Dementia with Lewy Bodies: Differential Diagnostic with Alzheimer's Disease

Olivier Bousiges ^{1 2 3}, Frédéric Blanc ^{2 3}



Enjeux et grandes questions en cours



Alzheimer et les autres...

Review

> Int J M...

eCollection 2022.

The Advance on Frontotemporal Dementia (FTD)'s Neuropathology and Molecular Genetics

Jindong Wang¹, Bailing Wang¹, Tiantian Zhou¹

isease



Enjeux et grandes questions en cours



Alzheimer et les autres...

Review > Curr Neurol Neurosci Rep. 2022 Nov;22(11):689-698.
doi: 10.1007/s11910-022-01232-4. Epub 2022 Oct 3.
doi: 10.1155/2022/5003902. doi: 10.1155/2022/5003902.

(FTD)'s

Review

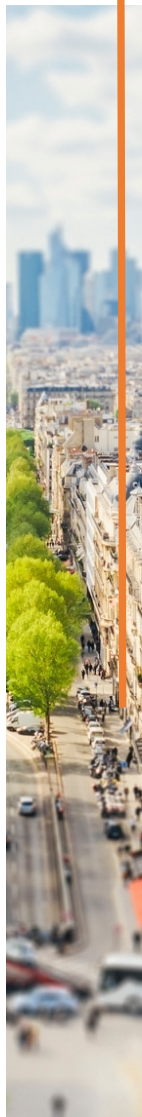
Review

eCollection

The
Neuro

**Limbic-Predominant Age-Related TDP-43
Encephalopathy: LATE-Breaking Updates in
Clinicopathologic Features and Biomarkers**

Michael Tran Duong ^{1 2 3}, David A Wolk ^{4 5 6}
Jindong Wang ¹, Bailing Wang ¹



Enjeux et grandes questions en cours



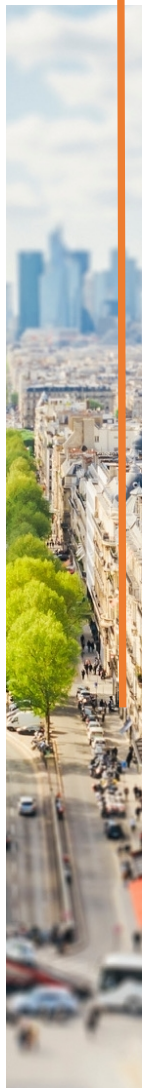
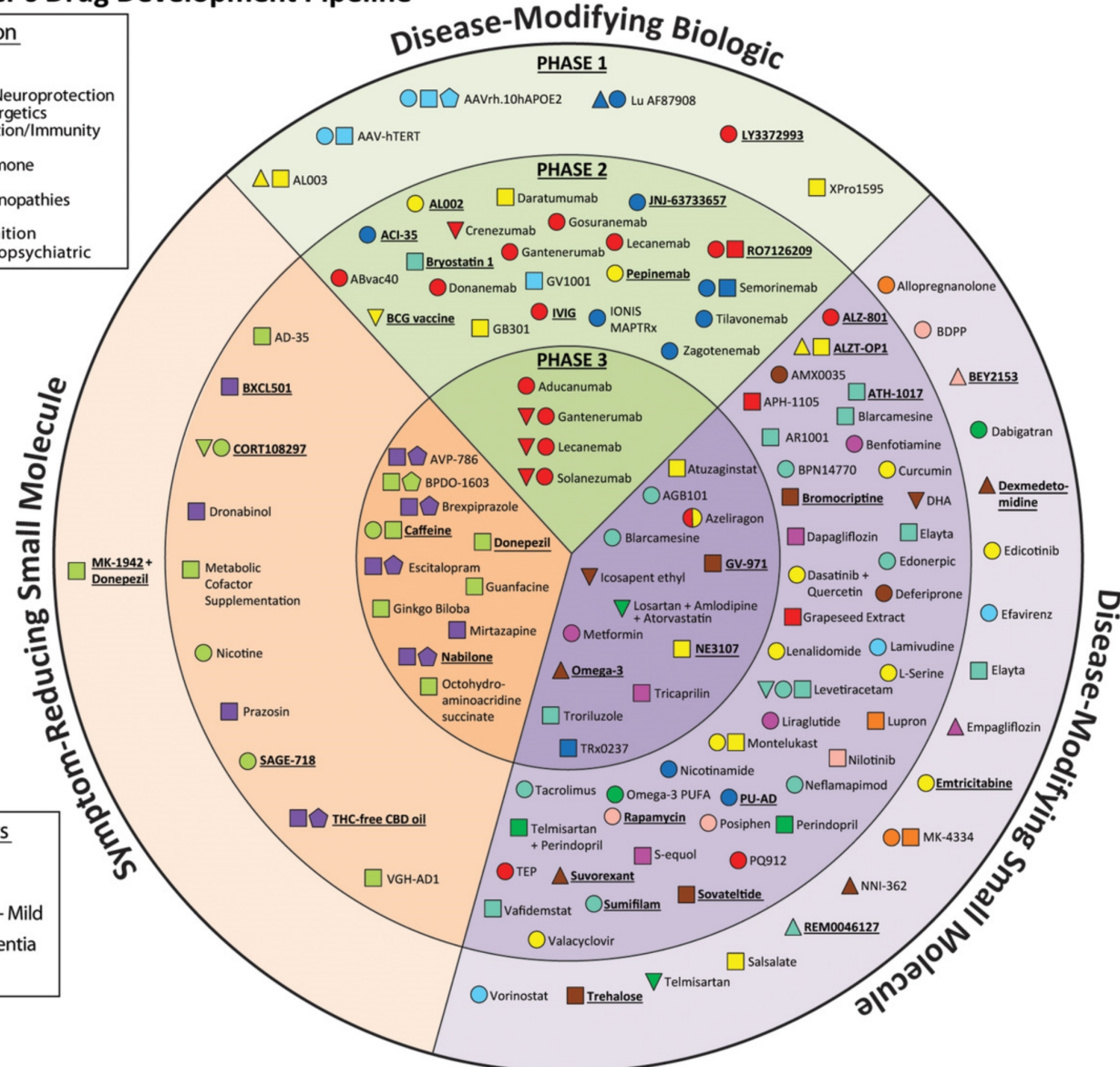
2021 Alzheimer's Drug Development Pipeline

Mechanism of Action

- Amyloid
- Tau
- Synaptic Plasticity/Neuroprotection
- Metabolism/Bioenergetics
- Inflammation/Infection/Immunity
- Vasculature
- Growth Factor/Hormone
- Epigenetic
- Proteostasis/Proteinopathies
- Other
- Symptomatic- Cognition
- Symptomatic- Neuropsychiatric

Subject Characteristics

- △ Healthy Volunteers
- ▽ Preclinical
- Prodromal/Prodromal - Mild
- Mild - Moderate Dementia
- ◇ Severe Dementia



Enjeux et grandes questions en cours



OVERVIEW NEWSROOM EVENTS & PRESENTATIONS FINANCIALS STOCK INFORMATION CORPORATE GO

BIOGEN.COM INFORMATION REQUEST SIGN UP FOR ALERT

LECANEMAB CONFIRMATORY PHASE 3
CLARITY AD STUDY MET PRIMARY
ENDPOINT, SHOWING HIGHLY
STATISTICALLY SIGNIFICANT REDUCTION OF
CLINICAL DECLINE IN LARGE GLOBAL
CLINICAL STUDY OF 1,795 PARTICIPANTS
WITH EARLY ALZHEIMER'S DISEASE

SEPTEMBER 27, 2022 • INVESTOR RELATIONS



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ClinicalTrials.gov
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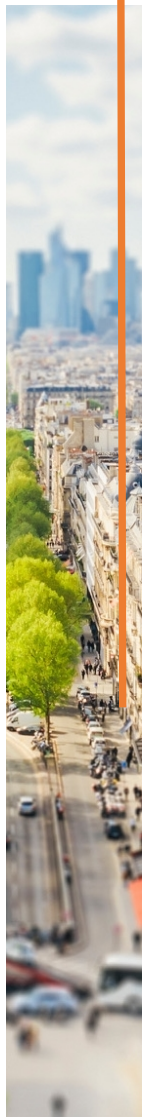
Dementia	X
non pharmacological	X
Interventional Studies (Clinical Trials)	▾ X
All Studies	▾ X

Recruitment:

<input checked="" type="checkbox"/> Not yet recruiting
<input checked="" type="checkbox"/> Recruiting
<input type="checkbox"/> Enrolling by invitation
<input checked="" type="checkbox"/> Active, not recruiting

Expanded Access:

<input type="checkbox"/> Available
<input type="checkbox"/> No longer available
<input type="checkbox"/> Temporarily not available
<input type="checkbox"/> Approved for marketing



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Dementia

non pharmacological

Interventional Studies (Clinical Trials)

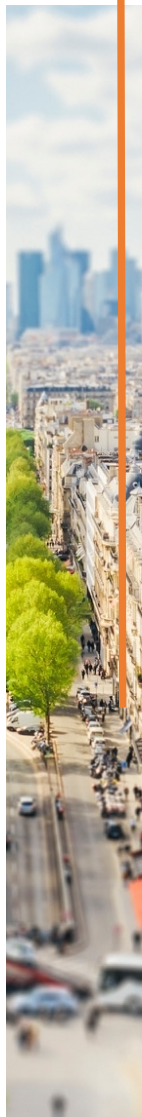
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Dementia

non pharmacological

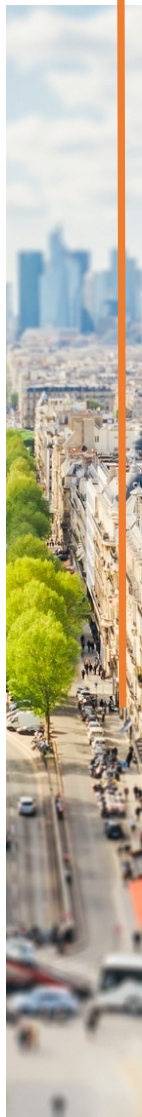
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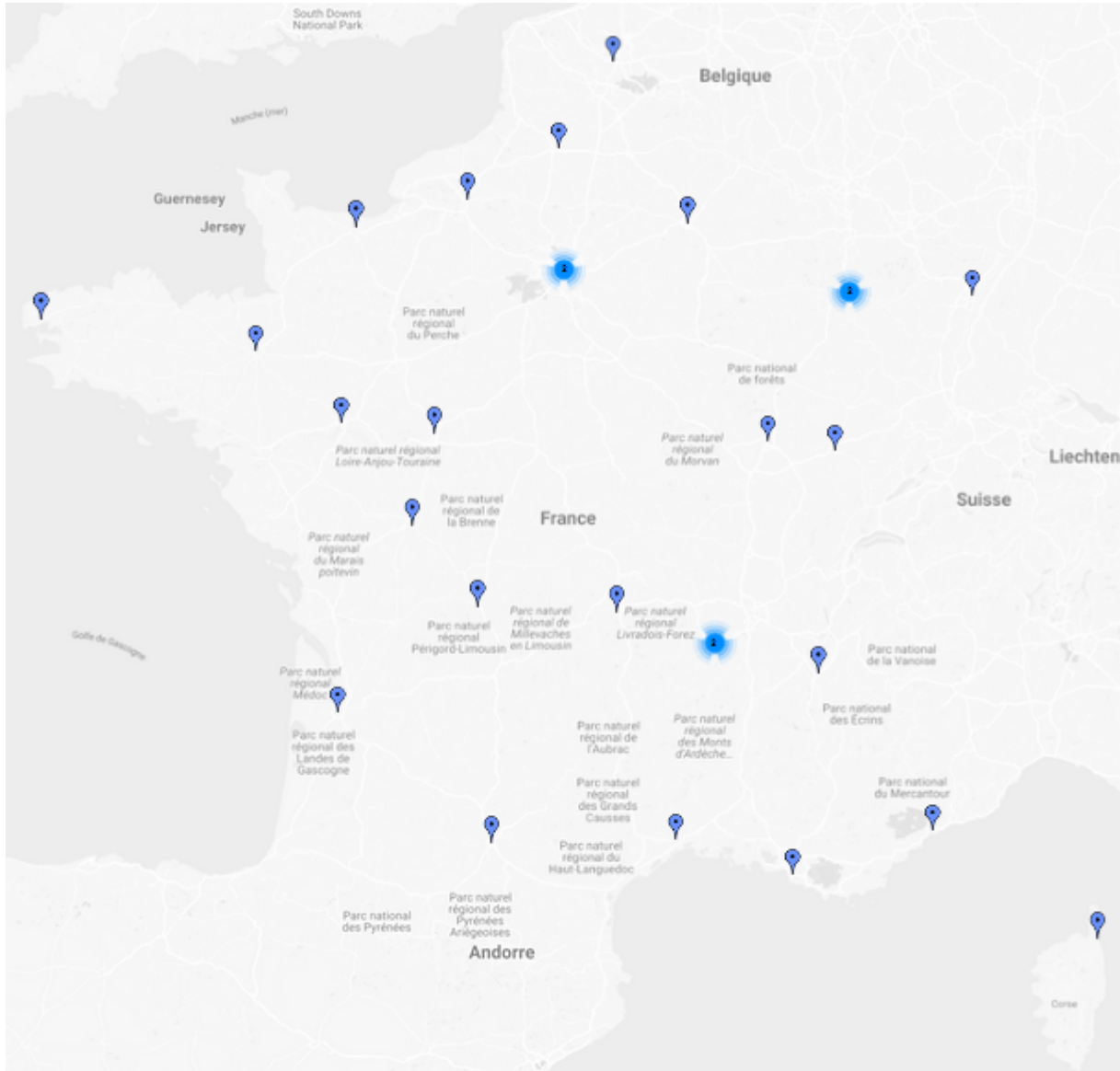
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Equipes de recherche en France



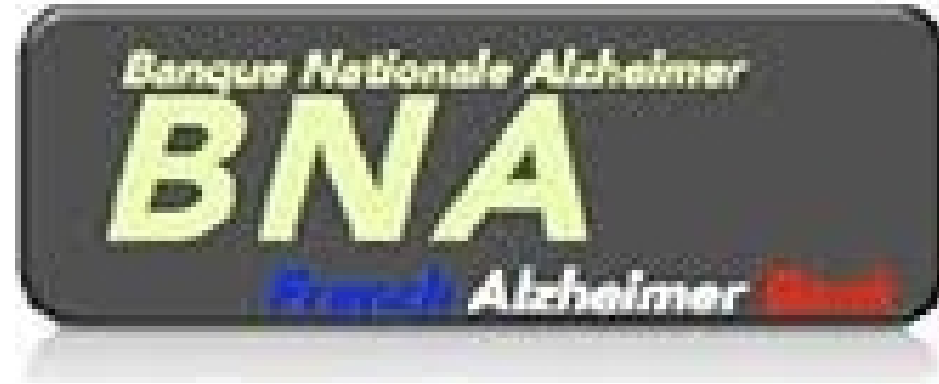
28 CMRR

FCM Fédération
des Centres
Mémoire

<https://www.centres-memoire.fr>



Bases de données en France



Bases de données en France

OFMEM

Observatoire Français des maladies de la Mémoire

**CMRR de Bordeaux, Dijon, Lille, Limoge, Lyon, Montpellier, Nancy, Nice,
Paris Nord, Rouen, Strasbourg, Toulouse**

Direction des Services Numériques HCL

Inserm

Institut Pasteur de Lille

Roche France

Health Data Hub ?

OFSEP



Comment s'intégrer dans ces thématiques?

- Par proximité
- Par réseau
- Avec patience
- Dans un seul sillon
- Et avec persévérance



OÙ EN EST LA RECHERCHE SUR ALZHEIMER ?



Merci pour votre attention

