

Articles in 2021 (update December) with ADx involvement

1. [Plasma glial fibrillary acidic protein is elevated in cognitively normal older adults at risk of Alzheimer's disease](#)
Pratishtha Chatterjee, Steve Pedrini, **Erik Stoops**, Kathryn Goozee, Victor L Villemagne, Prita R Asih, Inge M W Verberk, Preeti Dave, Kevin Taddei, Hamid R Sohrabi, Henrik Zetterberg, Kaj Blennow, Charlotte E Teunissen, Hugo M Vanderstichele, Ralph N Martins
Transl Psychiatry. 2021 Jan 11;11(1):27. doi: 10.1038/s41398-020-01137-1.
2. [Plasma \$\beta\$ -secretase1 concentrations correlate with basal forebrain atrophy and neurodegeneration in cognitively healthy individuals at risk for AD](#)
Andrea Vergallo, Pablo Lemercier, Enrica Cavedo, Simone Lista, **Eugeen Vanmechelen**, **Ann De Vos**, Henrik Zetterberg, Kaj Blennow, Marie-Odile Habert, Marie-Claude Potier Bruno Dubois, Stefan Teipel, Harald Hampel, INSIGHT-preAD study group, and the Alzheimer Precision Medicine Initiative (APMI)
Alzheimers Dement. 2021 Feb 1. doi: 10.1002/alz.12228
3. [Plasma p-tau231: a new biomarker for incipient Alzheimer's disease pathology](#)
Nicholas J Ashton, Tharick A Pascoal, Thomas K Karikari, Andréa L Benedet, Juan Lantero-Rodriguez, Gunnar Brinkmalm, Anniina Snellman, Michael Schöll, Claire Troakes, Abdul Hye, Serge Gauthier, **Eugeen Vanmechelen**, Henrik Zetterberg, Pedro Rosa-Neto, Kaj Blennow
Acta Neuropathol. 2021 Feb 14. doi: 10.1007/s00401-021-02275-6.
4. [Plasma Amyloid-Beta Levels in a Pre-Symptomatic Dutch-Type Hereditary Cerebral Amyloid Angiopathy Pedigree: A Cross-Sectional and Longitudinal Investigation](#)
Pratishtha Chatterjee, Michelle Tegg, Steve Pedrini, Anne M Fagan, Chengjie Xiong, Abhay K Singh, Kevin Taddei, Samantha Gardener, Colin L Masters, Peter R Schofield, Gerhard Multhaup, Tammie L S Benzinger, John C Morris, Randall J Bateman, Steven M Greenberg, Mark A van Buche, **Erik Stoops**, Hugo Vanderstichele, Charlotte E Teunissen, Graeme J Hankey, Marieke J H Wermer, Hamid R Sohrabi, Ralph N Martins, The Dominantly Inherited Alzheimer Network
Int J Mol Sci. 2021 Mar 13;22(6):2931. doi: 10.3390/ijms22062931
5. [Core Alzheimer's disease cerebrospinal fluid biomarker assays are not affected by aspiration or gravity drip extraction methods](#)
James D Doecke, **Cindy François**, Christopher J Fowler, **Erik Stoops**, Pierrick Bourgeat, Stephanie R Rainey-Smith, Qiao-Xin Li, Colin L Masters, Ralph N Martins, Victor L Villemagne, Steven J Collins, Hugo Marcel Vanderstichele
Alzheimers Res Ther. 2021 Apr 16;13(1):79. doi: 10.1186/s13195-021-00812-9
6. [Cerebrospinal fluid hemoglobin levels as markers of blood contamination: relevance for \$\alpha\$ -synuclein measurement](#)
Silvia Paciotti, **Erik Stoops**, **Cindy François**, Giovanni Bellomo, Paolo Eusebi, Hugo Vanderstichele, Davide Chiasserini, Lucilla Parnetti
Clin Chem Lab Med. 2021 May 6. doi: 10.1515/cclm-2020-1521.
7. [Highly specific and ultrasensitive plasma test detects A \$\beta\$ \(1-42\) and A \$\beta\$ \(1-40\) in Alzheimer's disease](#)
Elisabeth H Thijssen, Inge M W Verberk, **Jeroen Vanbrabant**, Anne Koelewijn, Hans Heijst, Philip Scheltens, Wiesje van der Flier, Hugo Vanderstichele, **Erik Stoops**, Charlotte E Teunissen
Sci Rep. 2021 May 6;11(1):9736. doi: 10.1038/s41598-021-89004-x.



8. [Comparison of Plasma Phosphorylated Tau Species With Amyloid and Tau Positron Emission Tomography, Neurodegeneration, Vascular Pathology, and Cognitive Outcomes](#)
Michelle M Mielke, Ryan D Frank, Jeffrey L Dage, Andreas Jeromin, Nicholas J Ashton, Kaj Blennow, Thomas K Karikari, **Eugene Vanmechelen**, Henrik Zetterberg, Alicia Algeciras-Schimmich, David S Knopman, Val Lowe, Guojun Bu, Prashanthi Vemuri, Jonathan Graff-Radford, Clifford R Jack Jr, Ronald C Petersen
JAMA Neurol. 2021 Jul 26. doi: 10.1001/jamaneurol.2021.2293

9. [Cellular Prion Protein Mediates \$\alpha\$ -Synuclein Uptake, Localization, and Toxicity In Vitro and In Vivo](#)
Tobias Thom, Matthias Schmitz, Anna-Lisa Fischer, Angela Correia, Susana Correia, Franc Llorens, Anna-Villar Pique, Wiebke Möbius, Renato Domingues, Saima Zafar, **Erik Stoops**, Christopher J Silva, Andre Fische, Tiago F Outeiro, Inga Zerr
Mov Disord. 2021 Aug 27. doi: 10.1002/mds.28774

10. [Comparing the Clinical Utility and Diagnostic Performance of Cerebrospinal Fluid P-Tau181, P-Tau217 and P-Tau231 Assays](#)
Antoine Leuzy, Shorena Janelidze, Niklas Mattsson-Carlsson, Sebastian Palmqvist, **Dirk Jacobs**, Claudia Cicognola, Erik Stomrud, **Eugene Vanmechelen**, Jeffrey L Dage, Oskar Hansson
Neurology. 2021 Sep 7;10.1212/WNL.000000000012727. doi: 10.1212/WNL.000000000012727

11. [Diagnostic and prognostic plasma biomarkers for preclinical Alzheimer's disease](#)
Pratishtha Chatterjee, Steve Pedrin, Nicholas J Ashton, Michelle Tegg, Kathryn Goozee, Abhay K Singh, Thomas K Karikari, Joel Simrén, **Eugene Vanmechelen**, Nicola J Armstrong, Eugene Hone, Prita R Asih, Kevin Taddei, Vincent Doré, Victor L Villemagne, Hamid R Sohrabi, Henrik Zetterberg, Colin L Masters, Kaj Blennow, Ralph N Martins
Alzheimers Dement. 2021 Sep 8. doi: 10.1002/alz.12447.

12. [Cerebrospinal fluid neurogranin in Alzheimer's disease studies: are immunoassay results interchangeable?](#)
Clément Aveneau, Claire Hourregue, Emmanuel Cognat, Julien Dumurgier, Hugo Vanderstichele, **Eugene Vanmechelen**, Henrik Zetterberg, Jacques Hugon, Kaj Blennow, Claire Paquet, Elodie Bouaziz-Amar
Clin Chem Lab Med. 2021 Sep 15. doi: 10.1515/cclm-2021-0505

13. [The Alzheimer's Association international guidelines for handling of cerebrospinal fluid for routine clinical measurements of amyloid \$\beta\$ and tau](#)
Oskar Hansson, Richard Batrla, Britta Brix, Maria C Carrillo, Veronika Corradini, Rebecca M Edelmayer, Rianne N Esquivel, Christina Hall, John Lawson, Nathalie Le Bastard, José Luis Molinuevo, Laura K Nisenbaum, Sandra Rutz, Salvatore J Salamone, Charlotte E Teunissen, Christopher Traynham, Robert M Umek, Hugo Vanderstichele, Manu Vandijck, Simone Wahl, Christopher J Weber, Henrik Zetterberg, Kaj Blennow
Alzheimers Dement. 2021 Sep;17(9):1575-1582. doi: 10.1002/alz.12316. Epub 2021 Mar 31.

14. [Cerebrospinal fluid levels of the neurotrophic factor neuroleukin are increased in early Alzheimer's disease, but not in cerebral amyloid angiopathy](#)
Anna M De Kort, H Bea Kuiperij, Daniel Alcolea, Iris Kersten, Alexandra A M Versleijen, Steven M Greenberg, **Erik Stoops**, Floris H B M Schreuder, Catharina J M Klijn, Alberto Lleó, Jurgen A H R Claassen, Marcel M Verbeek
Alzheimers Res Ther. 2021 Sep 24;13(1):160. doi: 10.1186/s13195-021-00899-0.



15. [The global Alzheimer's Association round robin study on plasma amyloid \$\beta\$ methods](#)

Josef Pannee, Leslie M Shaw, Magdalena Korecka, Teresa Waligorska, Charlotte E Teunissen, **Erik Stoops**, Hugo M J Vanderstichele, **Kimberley Mauroo**, Inge M W Verberk, Ashvini Keshavan, Pedro Pesini, Leticia Sarasa, Maria Pascual-Lucas, Noelia Fandos, José-Antonio Allué, Erik Portelius, Ulf Andreasson, Ritsuko Yoda, Akinori Nakamura, Naoki Kaneko, Shieh-Yueh Yang, Huei-Chun Liu, Stefan Palme, Tobias Bittner, Kwasi G Mawuenyega, Vitaliy Ovod, James Bollinger, Randall J Bateman, Yan Li, Jeffrey L Dage, Erik Stomrud, Oskar Hansson, Jonathan M Schott, Kaj Blennow, Henrik Zetterberg

Alzheimers Dement (Amst). 2021 Oct 14;13(1):e12242. doi: 10.1002/dad2.12242. eCollection 2021

16. [Clinical and analytical comparison of six Simoa assays for plasma P-tau isoforms P-tau181, P-tau217, and P-tau231](#)

Sherif Bayoumy, Inge M W Verberk, Ben den Dulk, Zulaiga Hussainali, Marissa Zwan, Wiesje M van der Flier, Nicholas J Ashton, Henrik Zetterberg, Kaj Blennow, **Jeroen Vanbrabant**, **Erik Stoops**, **Eugeen Vanmechelen**, Jeffrey L Dage, Charlotte E Teunissen

Alzheimers Res Ther. 2021 Dec 4;13(1):198. doi: 10.1186/s13195-021-00939-9