



ÉQUIPE AGING- Axe MAINTAIN

Equipe constitutive du CERPOP, UMR 1295, unité mixte INSERM –
Université de Toulouse

MAINTAIN - MAintain Functions and INTrinsec capacities with Aging :
Preventive and personalized INterventional Research

Publications 2025

Mise à jour septembre 2025

1. Álvarez-Bustos A, Coelho-Junior HJ, Calvani R, Rodriguez-Mañas L, Tosato M, Cesari M, Cherubini A, Cruz-Jentoft AJ, Jónsson PV, Lattanzio F, Maggio M, Roller-Wirnsberger R, Rýznarová I, Schols AMWJ, Sieber CC, Sinclair AJ, Skalska A, Strandberg T, Tchalla A, Topinková E, **Vellas B**, von Haehling S, Landi F, Marzetti E; SPRINTT consortium. Adherence to Physical Activity and Incident Mobility Disability in Older Adults With Mobility Limitations. *J Cachexia Sarcopenia Muscle*. 2025.16(3):e13870. [doi: 10.1002/jcsm.13870](https://doi.org/10.1002/jcsm.13870).
2. **Andrieu S**, Bateman RJ, Bereczki E, Bose N, Brookes AJ, Doraiswamy PM, Kivipelto M, Kohlhaas S, Kourtis L, Middleton LT, Moore GJ, Petrella JR, Postlethwaite N, Sainz-Fuertes R. Harnessing artificial intelligence to transform Alzheimer's disease research. *Nat Med*. 2025.31(5):1384-1385. [doi: 10.1038/s41591-025-03632-8](https://doi.org/10.1038/s41591-025-03632-8).
3. **Angioni D**, Middleton L, Bateman R, Aisen P, Boxer A, Sha S, Zhou J, Gerlach I, Raman R, Fillit H, Salloway S, Sperling R, **Vellas B**, Cummings J. Challenges and opportunities for novel combination therapies in Alzheimer's disease: a report from the EU/US CTAD Task Force. *J Prev Alzheimers Dis*. 2025.12(6):100163. [doi: 10.1016/j.tjpad.2025.100163](https://doi.org/10.1016/j.tjpad.2025.100163).
4. Barakat Z, Sacre H, Khatib S, Hajj A, **Bou Malham C**, Haddad C, Akel M, M Zeenny R, Abou Abbas L, Barakat M, Salameh P, Rachidi S. Examining burden among caregivers of community-dwelling older adults in Lebanon. *Sci Rep*. 2025.15(1):22775. [doi: 10.1038/s41598-025-05626-5](https://doi.org/10.1038/s41598-025-05626-5).
5. Barakat Z, Sacre H, Khatib S, Hajj A, **BouMalham C**, Haddad C, Zeenny RM, Akel M, Abbas LA, Barakat M, Rachidi S, Salameh P. A contemporary tool for assessing instrumental activities of daily living: Validation of a caregiver-reported scale for non-institutionalized older adults. *PLoS One*. 2025. 20(5):e0322554. [doi: 10.1371/journal.pone.0322554](https://doi.org/10.1371/journal.pone.0322554).
6. Beaudart C, Cella D, Fielding RA, **Rolland Y**, **Vellas B**, Canevelli M; ICSFR Task Force. Patient-reported outcomes in sarcopenia: An ICFSR task force report. *J Frailty Aging*. 2025.14(1):100010. [doi: 10.1016/j.tjfa.2024.100010](https://doi.org/10.1016/j.tjfa.2024.100010).
7. Bellelli F, **Angioni D**, Arosio B, **Vellas B**, **de Souto Barreto P**. Hallmarks of aging and Alzheimer's Disease pathogenesis: Paving the route for new therapeutic targets. *Ageing Res Rev*. 2025.106:102699. [doi: 10.1016/j.arr.2025.102699](https://doi.org/10.1016/j.arr.2025.102699).
8. Bellelli F, **de Souto Barreto P**, **Cantet C**, **Ousset PJ**, Blennow K, **Vellas B**, **Angioni D**; MAPT/DSA Study Group (**Abellan Van Kan G**, **Cantet C**, **Guyonnet S**, **Villars H**, **Andrieu S**, **Coley N**, **Delrieu J**, **Ousset PJ**, **Rolland Y**, **Voisin T** collaborators). Cognitive Stability Among Plasma p-tau 181 Negative Individuals: A 5-year Analysis of the Multidomain Alzheimer Prevention Trial Study. *J Gerontol A Biol Sci Med Sci*. 2025.80(7):glaf113. [doi: 10.1093/gerona/glaf113](https://doi.org/10.1093/gerona/glaf113).
9. Bellelli F, Raffin J, **Angioni D**, Romana J, **Soto-Martin ME**, **Delrieu J**, **de Souto Barreto P**; MAPT/DSA study group. The relationship between neurofilament light chain and depressive symptoms according to cognitive status. *Alzheimers Dement (N Y)*. 2025.11(2):e70048. [doi: 10.1002/trc2.70048](https://doi.org/10.1002/trc2.70048).

10. **Berbon C, Rolland Y, Takeda C, Lafont C, Tavassoli N, De Kerimel J, Bezombes V, Balardy L, Nourhashemi F, Vellas B, Andrieu S, Soto-Martin ME.** WHO ICOPE Programme Adherence of 8672 Older Age People Over 2-Years of Follow-Up. *J Adv Nurs.* 2025. 81(9):5925-5936. [doi: 10.1111/jan.16740.](#)
11. **Berbon C, Takeda C, Balardy L, Lafont C, Tavassoli N, Carrie I, Guyonnet S, de Kerimel J, Mathieu C, Penneret D, Bezombes V, Nourhashemi F, Vellas B, Andrieu S, Soto-Martin ME.** Implementing the WHO ICOPE Program in Clinical Practice: Three Years of Lessons From Monitoring 27 082 Participants Using the ICOPE Monitor Digital Tool. *J Gerontol A Biol Sci Med Sci.* 2025.80(3):glae278. [doi: 10.1093/gerona/glac278.](#)
12. Bischoff-Ferrari HA, Gängler S, Wiecek M, Belsky DW, Ryan J, Kressig RW, Stähelin HB, Theiler R, Dawson-Hughes B, Rizzoli R, **Vellas B, Rouch L, Guyonnet S, Egli A, Orav EJ, Willett W, Horvath S.** Individual and additive effects of vitamin D, omega-3 and exercise on DNA methylation clocks of biological aging in older adults from the DO-HEALTH trial. *Nat Aging.* 2025.5(3):376-385. [doi: 10.1038/s43587-024-00793-y.](#)
13. Blain H, Huy PT, Michel JP, Bernard PL, Berrut G, Salles N, d'Avrincourt MC, Michon E, Pardell M, Weber P, Bayol S, Bouget C, Coste O, Gérard S, Lesenne C, Ninot G, Paccard D, Puisieux F, Ségu A, Tallon G, Vigouroux C, Abdellaoui A, Annweiler C, Autard T, Bedbrook A, Bracco L, Bretton F, Cosme B, Czarlewski W, de Vries G, Nouvel F, Puyjarinet F, Robiaud JB, van Eeerd M, Voisin C, Vallat A, **Villars H, Rolland Y, Bonin-Guillaume S, Montero-Odasso M, Van der Velde N, Bousquet J.** Première journée nationale de prévention des chutes, 1er octobre 2024, Montpellier1 : Retour d'expérience pour favoriser l'implémentation des recommandations mondiales, du plan antichute des personnes âgées et d'une journée annuelle de la prévention des chutes sur le territoire français [The first French fall prevention day for elderly people]. *Geriatr Psychol Neuropsychiatr Vieil.* 2025.23(1):9-23. French. [doi: 10.1684/pnv.2025.1209.](#)
14. Blanc F, Brangier A, Mouton A, Magnan N, Rabiant K, Auxire P, Schorr B, Roche J, **Soto-Martin ME, Delrieu J.** Traitement des symptômes psychocomportementaux de la maladie à corps de Lewy et de la démence parkinsonienne : revue de la littérature et consensus par méthode Delphi [Treatment of psychological and behavioral symptoms in dementia with Lewy bodies and Parkinson's disease dementia: Review of the literature and consensus using the Delphi method]. *Geriatr Psychol Neuropsychiatr Vieil.* 2025.23(2):235-253. French. [doi: 10.1684/pnv.2025.1231.](#)
15. Bonneau M, **Steinmeyer Z, Morisseau M, Lozano S, Barbe P, Chauvet C, Brechemier D, Mourey L, Balardy L.** Impact of comprehensive geriatric assessment on treatment decisions in older prostate cancer patients. *BMC Cancer.* 2025.25(1):642. [doi: 10.1186/s12885-025-13961-z.](#)
16. Bouteloup V, Villain N, Vidal JS, Gonzalez-Ortiz F, Yuksekeli I, Santos C, Schraen-Maschken S, Pellegrin I, Lehmann S, Blennow K, Chêne G, Hanon O, Dufouil C, Planche V; MEMENTO and the BALTAZAR Study Groups (**Vellas B, Rolland Y, Delrieu J, Voisin T, Andrieu S, Delrieu J, Nourhashemi F, Ousset PJ** collaborators). Cognitive Phenotyping and Interpretation of Alzheimer Blood Biomarkers. *JAMA Neurol.* 2025.82(5):506-515. [doi: 10.1001/jamaneurol.2025.0142.](#)
17. Briand M, Raffin J, **Gonzalez-Bautista E, Ritz P, Abellan Van Kan G, Pillard F, Faruch-Bilfeld M, Guyonnet S, Dray C, Vellas B, de Souto Barreto P, Rolland Y.** Body composition and aging: cross-sectional results from the INSPIRE study in people 20 to 93 years old. *Geroscience.* 2025.47(1):863-875. [doi: 10.1007/s11357-024-01245-6.](#)
18. Brodeau C, Joly C, Chekroun A, Nakhle J, Blase V, Espagnol N, Dray C, Yart A, Planat V, Tertrais M, Fassy J, **Guyonnet S, Lu WH, de Souto Barreto P, Teste O, Tremblay-Franco M, Tanner KT, Cohen AA, Carriere A, Casteilla L, Ader I; IHU HealthAge/Open Science group.** Identification of Functional Cellular

Markers Related to Human Health, Frailty and Chronological Age. *Aging Cell*. 2025.24(9):e70153. [doi: 10.1111/ace.70153](https://doi.org/10.1111/ace.70153).

19. Chapelon J, Sourdet S, **Angioni D, Steinmeyer Z**, Briand M, **Rolland Y, Abellan van Kan G**. Body composition of older adults with normal body mass index. Cross-sectional analysis of the Toulouse Frailty clinic. *J Frailty Aging*. 2025.14(1):100003. [doi: 10.1016/j.tjfa.2024.100003](https://doi.org/10.1016/j.tjfa.2024.100003).
20. Cheng Y, He Y, Gopinath K, Billot B, Iglesias JE, Wu CY, Dodge H, Wills AM, Carlyle B, Kivisäkk P, Hyman BT, Arnold SE, Das S; Alzheimer's Disease Neuroimaging Initiative and for the European Prevention of Alzheimer's Disease (EPAD) Consortium (**Ousset PJ, Andrieu S, Vellas B** collaborators). Brain MRI signatures across sex and CSF Alzheimer's disease biomarkers. *Brain Commun*. 2025.7(3):fcf210. [doi: 10.1093/braincomms/fcaf210](https://doi.org/10.1093/braincomms/fcaf210).
21. Christiaens A, Boureau AS, Guyomarch B, de Decker L, Boland B, Hadjadj S, Cariou B; HYPOAGE Study Group (**Guyonnet S** collaborator). Diabetes Overtreatment and Hypoglycemia in Older Patients With Type 2 Diabetes on Insulin Therapy: Insights From the HYPOAGE Cohort Study. *Diabetes Care*. 2025.48(1):61-66. [doi: 10.2337/dc24-1058](https://doi.org/10.2337/dc24-1058).
22. **Coley N**, Hoevenaer-Blom MP, **Shourick J**, van Charante EPM, van Dalen JW, van Gool WA, Richard E, **Andrieu S**; preDIVA study group and the MAPT/IHU HealthAge Open Science group. Searching for responders to multidomain dementia prevention in late life: A pooled analysis of individual participant data from the MAPT and preDIVA trials. *Alzheimers Dement*. 2025.21(2):e14472. [doi: 10.1002/alz.14472](https://doi.org/10.1002/alz.14472).
23. Cortese-Bauer M, Girault D, Moliner N, Joannès C, **Couarraze S**. Adolescence et crise suicidaire : intérêt d'une collaboration médecins généralistes et IPA en CMP [Adolescence and suicidal crisis: the benefits of collaboration between GPs and IPAs in CMPs]. *Soins Pédiatr Pueric*. 2025.46(344):39-43. French. [doi: 10.1016/j.spp.2025.03.011](https://doi.org/10.1016/j.spp.2025.03.011).
24. Costa N, Gombault E, Marcélo C, Pagès A, Molinier L, **de Souto Barreto P, Rolland Y**. Association between intrinsic capacities limitations and annual healthcare costs in Nursing Home residents. *BMC Geriatr*. 2025.25(1):301. [doi: 10.1186/s12877-025-05914-9](https://doi.org/10.1186/s12877-025-05914-9).
25. **Couarraze S**, Decormeille G, Delamarre L, Marhar F, Gbaglo K, Avilès Dorlhiac R, Berthon M, Su-I Liu A, Antunes S, Pereira B, Baker JS, Charkhabi M, Ugbolue UC, Bagheri R, Gil-Cosano JJ, Zak M; COVISTRESS Network; Clinchamps M, Dutheil F. Impact of Teleworking on Work-Related and Home-Related Stress at During the First Global Lockdown-The International COVISTRESS Study. *Brain Behav*. 2025.15(6):e70592. [doi: 10.1002/brb3.70592](https://doi.org/10.1002/brb3.70592).
26. de Assunção Cortez Corrêa LC, Raffin J, **Vellas B**, Guerra RO, **de Souto Barreto P**. Sex-specific associations of neurodegeneration and inflammatory biomarkers with intrinsic capacity in older adults: Findings from the 4-year longitudinal Multidomain Alzheimer's Prevention Trial (MAPT). *Maturitas*. 2025.193:108191. [doi: 10.1016/j.maturitas.2024.108191](https://doi.org/10.1016/j.maturitas.2024.108191).
27. **de Mauléon A, Piau A**, Baziard M, Ballard C, Saidlitz P, **Voisin T, Rumeau P**, Tchalla A, **Cantet C, Nourhashemi F**, Lepage B, **Soto-Martín ME**. Telemedicine for the Management of Neuropsychiatric Symptoms in Patients With Dementia Living in Long Term Care Facilities: Secondary and Exploratory Analyses From the DETECT Interventional Pilot Study. *Am J Geriatr Psychiatry*. 2025. 33(8):850-862. [doi: 10.1016/j.jagp.2025.01.012](https://doi.org/10.1016/j.jagp.2025.01.012).
28. **de Souto Barreto P**, Lu WH, Tavassoli N, **Nourhashemi F**, Gorga Bandeira de Mello R, Ferriolli E, **Guyonnet S, Rolland Y, Soto-Martín ME, Vellas B**; IHU HealthAge INSPIRE/Open Science study group. Reference centiles for intrinsic capacity to monitor clinical health outcomes in real-world primary care cohorts. *Nat Aging*. 2025.5(7):1217-1231. [doi: 10.1038/s43587-025-00861-x](https://doi.org/10.1038/s43587-025-00861-x).

29. Dritsch N, **Rapp L, Vergnes JN**. Approche systémique de l'empathie, illustration des soins dentaires gériatriques [Systemic approach to empathy, illustration of geriatric dental care]. *Soins Gerontol*. 2025.30(173):23-28. French. [doi: 10.1016/j.sger.2025.03.007](https://doi.org/10.1016/j.sger.2025.03.007).
30. Fielding RA, Dao MM, Cannon K, Desvarieux M, Miller SS, Gimness MP, Brandon DM, Villareal DT, Bruyere O, Bautmans I, Rickner K, Perry R, Kritchevsky SB, Musi N, Chehade JM, Kirstein JL, Gielen E, Pickrell P, Dilda P, Lafont R, Margalef C, **Rolland Y**, Del Signore S, Mariani J, Agus S, Tourette C, Diah W, van Maanen R, Veillet S. BIO101 in Sarcopenic Seniors at Risk of Mobility Disability: Results of a Double-Blind Randomised Interventional Phase 2b Trial. *J Cachexia Sarcopenia Muscle*. 2025.16(2):e13750. [doi: 10.1002/jcsm.13750](https://doi.org/10.1002/jcsm.13750).
31. Fraisse T, Prendki V, Putot A, Garcia-Carmona C, Perrin M, Chebib N, Andrejak C, Matta M, Gavazzi G, **Rolland Y**, Diamantis S. Prevention of aspiration pneumonia recurrences. *Infect Dis Now*. 2025.55(6):105102. [doi: 10.1016/j.idnow.2025.105102](https://doi.org/10.1016/j.idnow.2025.105102).
32. Frederiksen KS, Boada M, Dubois B, Engelborghs S, Frisoni GB, Georges J, Hort J, Jönsson L, Kramberger MG, **Ousset PJ**, Scarmeas N, Schmidt R, Schott JM, Spiro L, Waldemar G, Winblad B, Jessen F, Frölich L. Navigating the introduction of anti-amyloid therapy in Europe: a position statement by individual members of the EADC. *Alzheimers Res Ther*. 2025.17(1):116. [doi: 10.1186/s13195-025-01766-y](https://doi.org/10.1186/s13195-025-01766-y).
33. Fuentealba M, **Rouch L, Guyonnet S**, Lemaitre JM, **de Souto Barreto P, Vellas B, Andrieu S**, Furman D. A blood-based epigenetic clock for intrinsic capacity predicts mortality and is associated with clinical, immunological and lifestyle factors. *Nat Aging*. 2025.5(7):1207-1216. [doi: 10.1038/s43587-025-00883-5](https://doi.org/10.1038/s43587-025-00883-5).
34. Fuggle N, Laslop A, Rizzoli R, Al-Daghri N, Alokail M, Balkowiec-Iskra E, Beaudart C, Bruyère O, Bemden AB, Burlet N, Cavalier E, Cerreta F, Chandran M, Cherubini A, da Silva Rosa MMC, Conaghan P, Cortet B, Jentoft AC, Curtis EM, D'Amelio P, Dawson-Hughes B, Dennison EM, Hiligsmann M, Kaufman JM, Maggi S, Matijevic R, McCloskey E, Messina D, Pinto D, Yerro MCP, Radermecker RP, **Rolland Y**, Torre C, Veronese N, Kanis JA, Cooper C, Reginster JY, Harvey NC. Treatment of Osteoporosis and Osteoarthritis in the Oldest Old. *Drugs*. 2025.85(3):343-360. [doi: 10.1007/s40265-024-02138-w](https://doi.org/10.1007/s40265-024-02138-w).
35. Giudici KV, **de Souto Barreto P, Cantet C**, Zetterberg H, Blennow K, **Vellas B**; MAPT/DSA group. Associations between intrinsic capacity, plasma p-tau181 and cognitive function over a 5-year follow-up among community-dwelling older adults: a secondary analysis of the MAPT Study. *J Frailty Aging*. 2025.14(4):100064. [doi: 10.1016/j.tjfa.2025.100064](https://doi.org/10.1016/j.tjfa.2025.100064).
36. **Gonzalez-Bautista E, Soto-Martin ME, Abellan van Kan G, Delrieu J**. Association between inflammatory biomarkers and the cognitive response to a multidomain intervention: secondary longitudinal analyses from the MAPT study. *Geroscience*. 2025 Jun;47(3):5365-5376. [doi: 10.1007/s11357-024-01497-2](https://doi.org/10.1007/s11357-024-01497-2).
37. **Gonzalez-Bautista E, Soto-Martin ME**, Fourteau M, Berbon C, **Vellas B, Delrieu J, Angioni D**. Cognition Assessment with ICOPE-Monitor: Identifying Candidates for Novel Therapies. *J Am Med Dir Assoc*. 2025.26(4):105483. [doi: 10.1016/j.jamda.2024.105483](https://doi.org/10.1016/j.jamda.2024.105483).
38. **Guyonnet S**, Hooper C, Bischoff-Ferrari HA, Parini A, Santin Y, Pradère JP, Dray C, **Vellas B**; I. H. U. HealthAge INSPIRE/Open Science study group (**Andrieu S, Cantet C, Rolland Y, Ousset PJ, de Souto Barreto P, Piau A** collaborators). HealthAge: evaluation of intrinsic capacity changes in humans, mice, and killifish to explore the biology of aging. *Geroscience*. 2025. [doi: 10.1007/s11357-025-01718-2](https://doi.org/10.1007/s11357-025-01718-2). Epub ahead of print.

39. **Guyonnet S**, Hooper C, **Cantet C**, **Coley N**, **Andrieu S**, **Vellas B**, Lipsitz LA. The INSPIRE-T longitudinal observational study centered on intrinsic capacity: baseline data. *J Gerontol A Biol Sci Med Sci*. 2025 .(9):glaf181. [doi: 10.1093/gerona/glaf181](https://doi.org/10.1093/gerona/glaf181).
40. Hoevenaer-Blom MP, **Shourick J**, van Dalen JW, van Gool WA, **Andrieu S**, Richard E, **Coley N**, Moll van Charante E; preDIVA study group; MAPT/IHU HealthAge Open Science study group. Mediation of modifiable risk factors in two multidomain dementia prevention trials. *Alzheimers Dement*. 2025.21(2):e14557. [doi: 10.1002/alz.14557](https://doi.org/10.1002/alz.14557).
41. Hooper C, **Coley N**, **Delrieu J**, **Guyonnet S**. Lifestyle factors and plasma biomarkers of Alzheimer's disease: A narrative review. *J Prev Alzheimers Dis*. 2025.100130. [doi: 10.1016/j.tjpad.2025.100130](https://doi.org/10.1016/j.tjpad.2025.100130).
42. Hooper C, **Gonzalez-Bautista E**, **Coley N**, **Vellas B**, **Guyonnet S**; MAPT/IHU HealthAge Open Science group. Cross-sectional associations of plasma vitamin D with plasma phosphorylated tau-181 and plasma neurofilament light chain in older adults with memory complaints. *Neurobiol Dis*. 2025.214:107041. [doi: 10.1016/j.nbd.2025.107041](https://doi.org/10.1016/j.nbd.2025.107041).
43. Hussein K, Kistler-Fischbacher M, Mattle M, De Godoi Rezende Costa Molino C, Tsai LT, Kressig RW, Orav EJ, Da Silva JAP, **Vellas B**, Rizzoli R, Armbrecht G, Andreas E, Dawson-Hughes B, Bischoff-Ferrari HA; DO-HEALTH Research group. Effects of vitamin D3, omega-3 fatty acids and a simple home exercise program on change in physical activity among generally healthy and active older adults: The 3-year DO-HEALTH trial. *J Nutr Health Aging*. 2025.29(5):100528. [doi : 10.1016/j.jnha.2025.100528](https://doi.org/10.1016/j.jnha.2025.100528).
44. Izquierdo M, **de Souto Barreto P**, Arai H, Bischoff-Ferrari HA, Cadore EL, Cesari M, Chen LK, Coen PM, Courneya KS, Duque G, Ferrucci L, Fielding RA, García-Hermoso A, Gutiérrez-Robledo LM, Harridge SDR, Kirk B, Kritchevsky S, Landi F, Lazarus N, Liu-Ambrose T, Marzetti E, Merchant RA, Morley JE, Pitkälä KH, Ramírez-Vélez R, Rodríguez-Mañas L, **Rolland Y**, Ruiz JG, Sáez de Asteasu ML, Villareal DT, Waters DL, Won Won C, **Vellas B**, Fiatarone Singh MA. Global consensus on optimal exercise recommendations for enhancing healthy longevity in older adults (ICFSR). *J Nutr Health Aging*. 2025. 29(1):100401. [doi: 10.1016/j.jnha.2024.100401](https://doi.org/10.1016/j.jnha.2024.100401).
45. Jabrane-Ferrat N, Raffin J, Gouilly J, Najib S, Iscache AL, Marques C, Hall J, Jolivet N, Combes G, Viguerie N, Dejean S, **Guyonnet S**, **Rolland Y**, Cabou C, **Vellas B**, **de Souto Barreto P**, Martinez LO, El Costa H. Mitochondrial Bioenergetic Profiling in T Cell Subsets Associates With Functional Health in Older Adults: A Cross-sectional Analysis From the INSPIRE-T Cohort. *J Gerontol A Biol Sci Med Sci*. 2025.10;80(7):glaf112. [doi: 10.1093/gerona/glaf112](https://doi.org/10.1093/gerona/glaf112).
46. Jessen F, Arbizu J, Boada M, Balasa M, Bennys K, Boban M, Bürger K, Chincarini A, Cagnin A, De Deyn PP, Düzel E, Engelborghs S, Ewers M, Exalto LG, van der Flier WM, Fortea J, Frederiksen KS, Frisoni GB, Frölich L, Garza-Martinez AJ, Grimmer T, Hanseeuw B, Hort J, Ivanoiu A, Kehoe PG, Kennelly SP, Kern S, Klöppel S, Krajčovičová L, Kramberger MG, McGuinness B, Mecocci P, Oberstein TJ, **Ousset PJ**, Paquet C, Perneczky R, Piazza F, Plantone D, Rainero I, Sacco G, Salmon E, Santana I, Scarmeas N, Schneider A, Schott JM, Solje E, Stefanova E, Stögmänn E, Strauss M, Sutovsky S, Waldemar G, Winblad B. Comment by European Alzheimer's Disease Consortium (EADC) investigators on the negative recommendation of the CHMP on the marketing authorization of donanemab for early Alzheimer' s disease. *J Prev Alzheimers Dis*. 2025.12(8):100259. [doi: 10.1016/j.tjpad.2025.100259](https://doi.org/10.1016/j.tjpad.2025.100259).
47. Joannès C, Crozes F, Kelly-Irving M, Delpierre C, **Couarraze S**. The Concept of Health, From Definition to Measurement and the Implications of the Reserves-Based Model for Nursing in France. *J Adv Nurs*. 2025.81(5):2739-2747. [doi: 10.1111/jan.16555](https://doi.org/10.1111/jan.16555).
48. Kamphuis JBJ, Loste A, Worrall WPM, Serhan N, Villeneuve T, Apoil PA, Trouche-Estival B, Guilleminault L, Gaudenzio N, Reber LL; IHU HealthAge INSPIRE/Open Science group (**Piau A**, **Angioni D**, **Abellan van Kan G**, **Steinmeyer Z**, **Ousset PJ** collaborators). Aging Increases the Severity of

Anaphylaxis Through Changes in Mast Cell Numbers and Histamine Sensitivity. *Allergy*. 2025 Jul 14. doi: 10.1111/all.16650. Epub ahead of print.

49. Kistler-Fischbacher M, Gohar G, de Godoi Rezende Costa Molino C, Geiling K, Meyer-Heim T, Kressig RW, Orav EJ, **Vellas B, Guyonnet S**, da Silva JAP, Rizzoli R, Armbrecht G, Steinhagen-Thiessen E, Egli A, Bischoff-Ferrari HA. Cognitive function in generally healthy adults age 70 years and older in the 5-country DO-HEALTH study: MMSE and MoCA scores by sex, education and country. *Aging Clin Exp Res*. 2025.37(1):88. doi: 10.1007/s40520-025-02946-4.
50. Laosa O, Topinkova E, Bourdel-Marchasson I, **Vellas B**, Izquierdo M, Paolisso G, Hardman T, Zeyfang A, Pedraza L, Carnicero JA, Rodriguez-Mañas L, Sinclair AJ; MIDFRail consortium. Long-term frailty and physical performance transitions in older people with type-2 diabetes. The MIDFRail randomized clinical study. *J Nutr Health Aging*. 2025.29(4):100512. doi: 10.1016/j.jnha.2025.100512.
51. Le Cosquer G, Pannier M, Meunier E, Thevenin J, Pyhourquet E, **Guyonnet S, Vellas B**, Santin Y, Guiard B, Parini A, Buscail L, Bournet B, Guillemet D, Deraison C, Vergnolle N, Motta JP; IHU HealthAge INSPIRE/Open Science study group. Pathogenicity of commensal gut biofilm in prefrail aging. *NPJ Biofilms Microbiomes*. 2025.11(1):84. doi: 10.1038/s41522-025-00716-8.
52. Leguelinel-Blache G, Bouvet S, Bedouch P, Bachelet B, Chenailler C, Dantin T, Geneletti L, Janes A, Scher F, Cireasă B, Kinowski JM, Castelli C, Roux-Marson C; Working Group "Valorisation of Pharmacist Interventions" of the French Society of Clinical Pharmacy; MEDREV working group (**Cestac P, Strumia M** collaborators). Impact of collaborative pharmaceutical care on older inpatients' medication safety: multicentre stepped-wedge cluster randomised trial (MEDREV Study). *BMC Geriatr*. 2025.25(1):516. doi: 10.1186/s12877-025-06122-1.
53. Lengelé L, de França NAG, **de Souto Barreto P, Rolland Y**. Nutritional specificity of frailty: from epidemiological and clinical evidence to potential mechanisms. *Curr Opin Clin Nutr Metab Care*. 2025.28(1):1-5. doi: 10.1097/MCO.0000000000001079.
54. Linard M, Garrigue I, **Vellas B, Coley N**, Zetterberg H, Blennow K, Ashton NJ, Payoux P, Salabert AS, Dartigues JF, Mazere J, **Andrieu S**, Helmer C. Association between herpes simplex virus infection and Alzheimer's disease biomarkers: analysis within the MAPT trial. *Sci Rep*. 2025.15(1):2362. doi: 10.1038/s41598-024-84583-x.
55. Lu WH, **Guyonnet S**, Raffin J, Bessou-Touya S, Helffer KR, Bianchi P, Digabel JL, Bensadoun P, Lemaître JM, **de Souto Barreto P, Vellas B**; IHU HealthAge INSPIRE/Open Science study group (**Coley N, Cantet C, Andrieu S, Ousset PJ, Piau A, Rolland Y, Angioni D** collaborators). Associations of Skin Biomechanical Properties With Biological Aging Clocks and Longitudinal Changes in Intrinsic Capacity in Adults Aged 20-93: The INSPIRE-T Project. *Aging Cell*. 2025:e70190. doi: 10.1111/acer.70190. Epub ahead of print.
56. Lu WH, Sánchez-Sánchez JL, **de Souto Barreto P**. Appetite loss as a clinical marker of loss of function during aging. *Proc Nutr Soc*. 2025.1-30. doi: 10.1017/S0029665125101778. Epub ahead of print.
57. Maeker É, Ditsch N, Maeker-Poquet B, **Vergnes JN**. Proposition d'un cadre conceptuel systémique pour l'empathie dans les soins [Proposing a systemic conceptual framework for empathy in care]. *Soins Gerontol*. 2025.30(173):8-17. French. doi: 10.1016/j.sger.2025.03.005.
58. Malbert J, Cenac C, Baziard M, **Couarraze S**. L'infirmier en pratique avancée, partenaire et vecteur d'adhésion thérapeutique [Advanced practice nurses, partners and vectors of therapeutic adherence]. *Soins Gerontol*. 2025. 30(175):33-37. French. doi: 10.1016/j.sger.2025.07.008.
59. Muscedere J, Shorey CL, Duque G, Kim P, Lorbergs AL, McGlory C, Merchant RA, Newman JC, **Rolland Y, Vellas B**. Advancing Geroscience Research - A Scoping Review of Regulatory Environments for Gerotherapeutics. *J Nutr Health Aging*. 2025.29(9):100637. doi: 10.1016/j.jnha.2025.100637.

60. Nunes-Pinto M, Bandeira de Mello RG, Pinto MN, Moro C, **Vellas B**, Martinez LO, **Rolland Y**, **de Souto Barreto P**. Sarcopenia and the biological determinants of aging: A narrative review from a geroscience perspective. *Ageing Res Rev*. 2025.103:102587. [doi: 10.1016/j.arr.2024.102587](#).
61. Peyrusqué E, **Abellan van Kan G**, Alvarez Rodriguez P, Martinez-Velilla N, Soriano G, Baziard M, **Gonzalez-Bautista E**, Sourdet S. Easy-to-Use Guidelines on Protein Intake and Physical Activity Recommendations Derived from the COGFRAIL Study and the Toulouse Frailty Clinic. *Nutrients*. 2025.17(8):1294. [doi: 10.3390/nu17081294](#).
62. Raffin J, Blennow K, **Rolland Y**, **Cantet C**, **Guyonnet S**, **Vellas B**, **de Souto Barreto P**; MAPT/IHU HealthAge Open Science Group. Associations between moderate-to-vigorous physical activity, p-tau181, and cognition in healthy older adults with memory complaints: a secondary analysis from the MAPT. *Lancet Healthy Longev*. 2025.6(2):100678. [doi: 10.1016/j.lanhl.2024.100678](#).
63. Raffin J, Fourteau M, Virecoulon Giudici K, **Rolland Y**, **Vellas B**, **de Souto Barreto P**; MAPT/DSA Group. Cross-sectional and longitudinal associations between physical activity and intrinsic capacity in healthy older adults from the MAPT study. *Arch Gerontol Geriatr*. 2025.130:105724. [doi: 10.1016/j.archger.2024.105724](#).
64. **Rolland Y**, Pennetier D, **Shourick J**, **de Souto Barreto P**, Mathieu C, Blain H, Balandier C, Bonin-Guillaume S, Durel G, Gavazzi G, Guion V, Guérin O, Hanon O, Jeandel C, Jouatel L, Maubourguet N, Orvoen G, Passadori Y, Renoux A, Roubaud-Baudron C, Roussillon Soyer C, Salles N, Tabué-Teguo M, **Villars H**, **Andrieu S**. Association between strategies to prevent COVID-19 infection in long-term care facilities and mortality: the PIANO-COVID-19 study, a French multicentre cohort study. *BMJ Public Health*. 2025.3(1):e002156. [doi: 10.1136/bmjph-2024-002156](#).
65. Sánchez-Sánchez JL, **de Souto Barreto P**. Physical activity and Alzheimer's disease: a call for evidence incorporation. *J Prev Alzheimers Dis*. 2025.12(7):100225. [doi: 10.1016/j.tjpad.2025.100225](#).
66. Sánchez-Sánchez JL, **Vellas B**, **Guyonnet S**, Bensadoun P, Lemaitre JM, Fuentealba Valenzuela M, Pillard F, **Rolland Y**, Furman D, **de Souto Barreto P**. Biological Ageing Acceleration and Functional Capacities Across the Lifespan in the INSPIRE-T Cohort. *J Cachexia Sarcopenia Muscle*. 2025.16(4):e70046. [doi: 10.1002/jcsm.70046](#).
67. **Steinmeyer Z**, **Berbon C**, Piquart A, Gérard S, **Rolland Y**, Sourdet S, **Balardy L**. Digital intrinsic capacity assessment of older patients with hematological malignancies: The ONCO-ICOPE cohort. *J Geriatr Oncol*. 2025.16(5):102239. [doi: 10.1016/j.jgo.2025.102239](#).
68. Stevens JR, Girardet C, Zhou M, Gamie F, Aggarwal G, McMillan RP, Hulver MW, Martinez LO, van der Brug M, **Vellas B**, Nguyen AD, Seldin MM, Butler AA; MAPT/IHU HealthAge Open Science group (**Andrieu S**, **Guyonnet S**, **Cantet C**, **Abellan van kan G**, **Rolland Y**, **Coley N**, **Delrieu J**, **Ousset PJ**, **Rolland Y**, **Villars H**, **Voisin T** collaborators). Adropin expression reflects circadian, lipoprotein, and mitochondrial processes in human tissues. *Mol Metab*. 2025.99:102196. [doi: 10.1016/j.molmet.2025.102196.v](#)
69. Turesson A, **de Souto Barreto P**, Nydahl M, Koochek A (**Andrieu S**, **Cantet C**, **Coley N** collaborators). The relationship between physical activity and appetite among older adults - A scoping review. *J Nutr Health Aging*. 2025.29(5):100538. [doi: 10.1016/j.jnha.2025.100538](#).
70. Turesson A, Koochek A, Nydahl M, Lemaitre JM, Bensadoun P, Martinez LO, **Guyonnet S**, **Rolland Y**, **Vellas B**, **De Souto Barreto P**; IHU HealthAge INSPIRE/Open Science group (**Andrieu S**, **Cantet C**, **Ousset PJ**, **Piau A** collaborator). The associations between biological markers of aging and appetite loss across adulthood: retrospective case-control data from the INSPIRE-T study. *Geroscience*. 2025. [doi: 10.1007/s11357-025-01691-w](#). Epub ahead of print.

71. Valenzuela PL, Sánchez-Sánchez JL, Bensadoun P, Lemaître JM, **Vellas B**, Sourdet S, **de Souto Barreto P**. Cross-sectional associations of epigenetic clocks with intrinsic capacity and functional ability in older adults with frailty and cognitive impairment: the COGFRAIL study. *Geroscience*. 2025. [doi: 10.1007/s11357-025-01698-3](#). Epub ahead of print.
72. van Maurik IS, Altomare D, Collij LE, Caprioglio C, Moro C, Garibotto V, Demonet JF, Scheltens P, Farrer G, Gismondi R, Stephens AW, Gispert JD, Molinuevo JL, Grau-Rivera O, Edison P, Walker Z, Jessen F, Dzrezga A, Zeyen P, Payoux P, Saint-Aubert L, **Delrieu J**, Nordberg A, Barkhof F, Frisoni GB, Barkhof J. Utility, Costs and Cost-Utility of Amyloid-PET in the Diagnostic Process of Memory Clinic Patients: A Trial-Based Economic Evaluation From AMYPAD-DPMS. *Eur J Neurol*. 2025.32(6):e70197. [doi: 10.1111/ene.70197](#).
73. **Vellas B**. A publication case report. *J Nutr Health Aging*. 2025.29(5):100560. [doi: 10.1016/j.jnha.2025.100560](#). Epub ahead of print.
74. Ventelou B, Maeker É, Lupi L, Lamboy B. Enseigner et évaluer l'empathie dans les études de santé : la piste des compétences psychosociales [Teaching and assessing empathy in health studies: the path of psychosocial skills]. *Soins Gerontol*. 2025.30(174):37-42. French. [doi: 10.1016/j.sger.2025.05.008](#).
75. Veronese N, Harvey NC, Rizzoli R, Fuggle NR, Reginster JY; ESCEO Working Group on the Management of Musculoskeletal Health in the Oldest Old Individuals (**Rolland Y** collaborator). Executive Summary: Treatment of Osteoporosis and Osteoarthritis in the Oldest Old. *Drugs Aging*. 2025.42(3):179-181. [doi: 10.1007/s40266-025-01184-7](#).
76. Villain N, Planche V, Lilamand M, Cordonnier C, **Soto-Martin ME**, Mollion H, Bombois S, **Delrieu J**; French Federation of Memory Clinics Work Group on Anti-Amyloid Immunotherapies. Lecanemab for early Alzheimer's disease: Appropriate use recommendations from the French federation of memory clinics. *J Prev Alzheimers Dis*. 2025.12(4):100094. [doi: 10.1016/j.tjpad.2025.100094](#).