



## ÉQUIPE VIEILLISSEMENT - Axe MAINTAIN

Equipe constitutive du CERPOP, UMR 1295, unité mixte INSERM - Université Toulouse III Paul Sabatier

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

### 88 | Publications 2023

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1. Altomare D, Barkhof F, Caprioglio C, Collij LE, Scheltens P, Lopes Alves I, Bouwman F, Barkhof J, van Maurik IS, Garibotto V, Moro C, **Delrieu J**, Payoux P, Saint-Aubert L, Hitzel A, Molinuevo JL, Grau-Rivera O, Gispert JD, Drzezga A, Jessen F, Zeyen P, Nordberg A, Savitcheva I, Jelic V, Walker Z, Edison P, Demonet JF, Gismondi R, Farrar G, Stephens AW, Frisoni GB; Amyloid Imaging to Prevent Alzheimer's Disease (AMYPAD) Consortium (**Ousset PJ, Vellas B** collaborators). Clinical Effect of Early vs Late Amyloid Positron Emission Tomography in Memory Clinic Patients: The AMYPAD-DPMS Randomized Clinical Trial. *JAMA Neurol.* 2023. 80(6):548-557. doi: 10.1001/jamaneurol.2023.0997.
2. Altomare D, Collij L, Caprioglio C, Scheltens P, van Berckel BNM, Alves IL, Barkhof J, de Gier Y, Garibotto V, Moro C, Poitrine L, **Delrieu J**, Payoux P, Saint-Aubert L, Molinuevo JL, Grau-Rivera O, Gispert JD, Minguillón C, Fauria K, Sanchez MF, Rădoi A, Drzezga A, Jessen F, Escher C, Zeyen P, Nordberg A, Savitcheva I, Jelic V, Walker Z, Lee HY, Lee L, Demonet JF, Plaza Wuthrich S, Gismondi R, Farrar G, Barkhof F, Stephens AW, Frisoni GB; AMYPAD Consortium (**Ousset PJ, Vellas B** collaborators).. Description of a European memory clinic cohort undergoing amyloid-PET: The AMYPAD Diagnostic and Patient Management Study. *Alzheimers Dement.* 2023.19(3):844-856. doi: 10.1002/alz.12696.
3. **Angioni D**, Hansson O, Bateman RJ, Rabe C, Toloue M, Braunstein JB, Agus S, Sims JR, Bittner T, Carrillo MC, Fillit H, Masters CL, Salloway S, Aisen P, Weiner M, **Vellas B**, Gauthier S. Can We Use Blood Biomarkers as Entry Criteria and for Monitoring Drug Treatment Effects in Clinical Trials? A Report from the EU/US CTAD Task Force. *J Prev Alzheimers Dis.* 2023. 10(3):418-425. doi: 10.14283/jpad.2023.68.
4. **Angioni D**, Raffin J, **Ousset PJ, Delrieu J, de Souto Barreto P**. Fatigue in Alzheimer's disease: biological basis and clinical management-a narrative review. *Aging Clin Exp Res.* 2023. 35(10):1981-1989.. doi: 10.1007/s40520-023-02482-z.
5. Aragoni da Silva J, **Rolland Y**, Martinez LO, **de Souto Barreto P**. Mitochondrial Dysfunction and Intrinsic Capacity: Insights From a Narrative Review. *J Gerontol A Biol Sci Med Sci.* 2023. 78(5):735-742. doi: 10.1093/gerona/glac227.
6. Bader I, Bader I, Lopes Alves I, Vázquez García D, **Vellas B**, Dubois B, Boada M, Marquié M, Altomare D, Scheltens P, Vandenberghe R, Hanseeuw B, Schöll M, Frisoni GB, Jessen F, Nordberg A, Kivipelto M, Ritchie CW, Grau-Rivera O, Molinuevo JL, Ford L, Stephens A, Gismondi R, Gispert JD, Farrar G, Barkhof F, Visser PJ, Collij LE; AMYPAD consortium. Recruitment of pre-dementia participants: main enrollment barriers in a longitudinal amyloid-PET study. *Alzheimers Res Ther.* 2023. 15(1):189. doi: 10.1186/s13195-023-01332-4.
7. Bateman RJ, Smith J, Donohue MC, Delmar P, Abbas R, Salloway S, Wojtowicz J, Blennow K, Bittner T, Black SE, Klein G, Boada M, Grimmer T, Tamaoka A, Perry RJ, Turner RS, Watson D, Woodward M, Thanasopoulou A, Lane C, Baudler M, Fox NC, Cummings JL, Fontoura P, Doody RS; GRADUATE I and II Investigators and the Gantenerumab Study Group (**Vellas B** collaborator). Two Phase 3 Trials of Gantenerumab in Early Alzheimer's Disease. *N Engl J Med.* 2023. 389(20):1862-1876. doi: 10.1056/NEJMoa2304430.

8. Beauchet O, Matskiv J, **Rolland Y**, Schott AM, Allali G. ER<sup>2</sup> risk levels and their association with incident falls, their recurrence and post-fall fractures in older women: Results of the EPIDOS study. *Maturitas*. 2023. 178:107838. [doi: 10.1016/j.maturitas.2023.107838](https://doi.org/10.1016/j.maturitas.2023.107838).
9. Beaudart C, Reginster JY, Amuthavalli Thiyagarajan J, Bautmans I, Bauer J, Burlet N, Cesari M, Cherubini A, Cooper C, Cruz-Jentoft AJ, Dawson-Hughes B, Fielding RA, Harvey NC, Landi F, Laslop A, Maggi S, Montero-Errasquin B, Concepción PYM, **Rolland Y**, Rizzoli R, Visser M, Bruyère O. Measuring health-related quality of life in sarcopenia: summary of the SarQoL psychometric properties. *Aging Clin Exp Res*. 2023. 35(8):1581-1593. [doi: 10.1007/s40520-023-02438-3](https://doi.org/10.1007/s40520-023-02438-3).
10. Bencivenga L, Strumia M, **Rolland Y**, Martinez L, **Cestac P**, **Guyonnet S**, **Andrieu S**, Parini A, Lucas A, **Vellas B**, **De Souto Barreto P**, **Rouch L**; MAPT/D. S. A. group (**Coley N**, **Cantet C**, **Ousset PJ**, **Voisin T**, **Villars H** collaborators). Biomarkers of mitochondrial dysfunction and inflammaging in older adults and blood pressure variability. *Geroscience*. 2023. 45(2):797-809. [doi: 10.1007/s11357-022-00697-y](https://doi.org/10.1007/s11357-022-00697-y).
11. **Bischoff-Ferrari HA**, Nitschmann S. Vitamin-D-Supplementierung [Vitamin D supplementation]. *Inn Med (Heidelb)*. 2023. 64(1):107-110. German. [doi: 10.1007/s00108-022-01435-4](https://doi.org/10.1007/s00108-022-01435-4).
12. Blain H, Annweiler C, Berrut G, Bernard PL, Bousquet J, Dargent-Molina P, Friocourt P, Puisieux F, Robiaud JB, **Rolland Y**. [Anti-fall plan for the elderly in France 2022-2024: objectives and methodology]. *Geriatr Psychol Neuropsychiatr Vieil*. 2023. 21(3):286-294. French. [doi: 10.1684/pnv.2023.1122](https://doi.org/10.1684/pnv.2023.1122).
13. Blain H, Annweiler C, Berrut G, Bernard PL, Bousquet J, Dargent-Molina P, Friocourt P, Puisieux F, Robiaud JB, **Rolland Y**. Un plan national et des recommandations mondiales au service de la prévention des chutes chez les personnes âgées<sup>1</sup> [A national plan and global recommendations for the prevention of falls in the elderly]. *Geriatr Psychol Neuropsychiatr Vieil*. 2023. 21(3):284-285. French. [doi: 10.1684/pnv.2023.1126](https://doi.org/10.1684/pnv.2023.1126).
14. Boureau AS, Guyomarch B, Gourdy P, Allix I, Annweiler C, Cervantes N, Chapelet G, Delabrière I, **Guyonnet S**, Litke R, Paccalin M, Penfornis A, Saulnier PJ, Wargny M, Hadjadj S, de Decker L, Cariou B. Nocturnal hypoglycemia is underdiagnosed in older people with insulin-treated type 2 diabetes: The HYPOAGE observational study. *J Am Geriatr Soc*. 2023. 71(7):2107-2119. [doi: 10.1111/jgs.18341](https://doi.org/10.1111/jgs.18341).
15. Bouzid W, Tavassoli N, **Berbon C**, Qassemi S, Vaysset S, Poly M, Bounes V, **Shourick J**, **Nourhashémi F**. Exploring Population Characteristics and Recruitment Challenges in Older People Experiencing Falls at Home without Hospitalization or with an Emergency Department Visit: Insights from the RISING-DOM Experience. *Clin Interv Aging*. 2023 Dec 1;18:1995-2008. [doi: 10.2147/CIA.S421053](https://doi.org/10.2147/CIA.S421053).
16. Brody M, Agronin M, Herskowitz BJ, Bookheimer SY, Small GW, Hitchinson B, Ramdas K, Wishard T, McInerney KF, **Vellas B**, Sierra F, Jiang Z, McClain-Moss L, Perez C, Fuquay A, Rodriguez S, Hare JM, Oliva AA Jr, Baumel B. Results and insights from a phase I clinical trial of Lomecel-B for Alzheimer's disease. *Alzheimers Dement*. 2023. 19(1):261-273. [doi: 10.1002/alz.12651](https://doi.org/10.1002/alz.12651).
17. Buckinx F, Bonnefoy M, Raynaud A, Jeandel C, Lahaye C, Paillaud E, Haine M, Berrut G, Sanchez M, Guerin O, **Rolland Y**, Aquino JP, Bruyere O. Connaissances et application des recommandations HAS concernant le diagnostic de la dénutrition chez la personne de 70 ans et plus : une enquête menée en ligne auprès des membres de la Société française de gériatrie et de gérontologie [Knowledge and application of the HAS recommendations concerning the diagnosis of undernutrition in people aged 70 and above: an international online survey among members of the "Société Française de Gériatrie et de Gérontologie"]. *Geriatr Psychol Neuropsychiatr Vieil*. 2023. 21(3):307-318. French. [doi: 10.1684/pnv.2023.1114](https://doi.org/10.1684/pnv.2023.1114).
18. Caprioglio C, Ribaldi F, Visser LNC, Minguillon C, Collij LE, Grau-Rivera O, Zeyen P, Molinuevo JL, Gispert JD, Garibotto V, Moro C, Walker Z, Edison P, Demonet JF, Barkhof F, Scheltens P, Alves IL, Gismondi R, Farrar G, Stephens AW, Jessen F, Frisoni GB, Altomare D; AMYPAD consortium (**Vellas B**, **Delrieu J** collaborators). Analysis of Psychological Symptoms Following Disclosure of Amyloid-Positron Emission Tomography Imaging

- Results to Adults With Subjective Cognitive Decline. *JAMA Netw Open*. 2023. 6(1):e2250921. [doi: 10.1001/jamanetworkopen.2022.50921](#). Erratum in: *JAMA Netw Open*. 2023. 6(3):e235066.
19. Cazalbou S, Naccache L, Sourdet S, Cariou E, Fournier P, **Nourhashemi F**, Balardy L, Toulza O, Lairez O, Steinmeyer Z, On Behalf Of The Toulouse Amyloidosis Research Network. Frailty in Older Patients with Transthyretin Cardiac Amyloidosis. *J Clin Med*. 2023. 12(24):7507. [doi: 10.3390/jcm12247507](#).
  20. Ceglia L, Rivas DA, Schlögl M, Fielding GB, Egli A, **Bischoff-Ferrari HA**, Dawson-Hughes B. Effect of vitamin D<sub>3</sub> vs. calcifediol on VDR concentration and fiber size in skeletal muscle. *J Bone Miner Metab*. 2023. 41(1):41-51. [doi: 10.1007/s00774-022-01374-y](#).
  21. **Couret A**, Lapeyre-Mestre M, Gombault-Datzenko E, **Renoux A**, **Villars H**, **Gardette V**. Healthcare use patterns before Alzheimer's disease and related diseases identification and future healthcare trajectory. *Int J Geriatr Psychiatry*. 2023. 38(1):e5849. [doi: 10.1002/gps.5849](#).
  22. de Godoi Rezende Costa Molino C, Woll L, Wieczorek M, Abderhalden LA, Lanz P, Schaer DJ, Spahn DR, Orav EJ, Egli A, **Bischoff-Ferrari HA**; DO-HEALTH Research Group. Association between iron deficiency and hospitalization rate in community-dwelling older adults: A 3-year prospective observational study of DO-HEALTH. *Am J Clin Nutr*. 2023. 117(1):12-21. [doi: 10.1016/j.ajcnut.2022.11.001](#).
  23. de Oliveira VP, Ferriolli E, Lourenço RA, González-Bautista E, **de Souto Barreto P**, de Mello RGB. The sensitivity and specificity of the WHO's ICOPE screening tool, and the prevalence of loss of intrinsic capacity in older adults: A scoping review. *Maturitas*. 2023. 177:107818. [doi: 10.1016/j.maturitas.2023.107818](#).
  24. **de Souto Barreto P**, Cesari M, Morley JE, **Gonzalez-Bautista E**, **Rolland Y**, Azzolino D, **Vellas B**, Fielding RA. Assessment and Management of Appetite Loss in Older Adults: An ICFSR Task Force Report. *J Frailty Aging*. 2023. 12(1):1-6. [doi: 10.14283/jfa.2022.64](#).
  25. **de Souto Barreto P**, **Rolland Y**, Ferrucci L, Arai H, **Bischoff-Ferrari H**, Duque G, Fielding RA, Beard JR, Muscedere J, Sierra F, **Vellas B**, LeBrasseur NK. Looking at frailty and intrinsic capacity through a geroscience lens: the ICFSR & Geroscience Task Force. *Nat Aging*. 2023. 3(12):1474-1479. [doi: 10.1038/s43587-023-00531-w](#).
  26. **de Souto Barreto P**. Physical Activity, Exercise, and Sedentary Time: Insights for Future Research in the Field of Geroscience. *JAR Life*. 2023. 12:20-22. [doi: 10.14283/jarlife.2023.5](#).
  27. **Delrieu J**, **Ousset PJ**. Immunothérapie passive dans la maladie d'Alzheimer : état des lieux et applicabilité en population gériatrique [Immunotherapies in Alzheimer's disease: state of the art and potential use in the elderly]. *Geriatr Psychol Neuropsychiatr Vieil*. 2023 Jun 1;21(2):233-240. French. [doi: 10.1684/pnv.2023.1099](#).
  28. **Delrieu J**, **Vellas B**, **Guyonnet S**, **Cantet C**, Ovod V, Li Y, Bollinger J, Bateman R, **Andrieu S**; MAPT/DSA group (**Villars H** collaborator). Cognitive impact of multidomain intervention and omega 3 according to blood A $\beta$ 42/40 ratio: a subgroup analysis from the randomized MAPT trial. *Alzheimers Res Ther*. 2023. 15(1):183. [doi: 10.1186/s13195-023-01325-3](#).
  29. Dimeglio C, Da-Silva I, Porcheron M, Panero MP, Staes L, Trémeaux P, **Villars H**, Izopet J. Weaker Effects of the Fourth Dose of BNT162b2 SARS-CoV-2 Vaccine on the Elderly Human Population. *Vaccines (Basel)*. 2023. 11(6):1095. [doi: 10.3390/vaccines11061095](#).
  30. Duval GT, Schott AM, **Rolland Y**, Gautier J, Blain H, Duque G, Annweiler C. Orthostatic hypotension and neurocognitive disorders in older women: Results from the EPIDOS cohort study. *PLoS One*. 2023. 18(2):e0281634. [doi: 10.1371/journal.pone.0281634](#).
  31. **Escourrou E**, Joyeux T, Guilhem M, **Oustric S**, **Gardette V**. How general practitioners perceive the aging trajectory of oldest-old - A qualitative study. *BMC Prim Care*. 2023. 24(1):5. [doi: 10.1186/s12875-023-01964-3](#).
  32. Frisoni GB, Altomare D, Ribaldi F, Villain N, Brayne C, Mukadam N, Abramowicz M, Barkhof F, Berthier M, Bieler-Aeschlimann M, Blennow K, Brioschi Guevara A, Carrera E, Chételat G, Csajka C, Demonet JF, Dodich A,

- Garibotto V, Georges J, Hurst S, Jessen F, Kivipelto M, Llewellyn DJ, McWhirter L, Milne R, Minguillón C, Miniussi C, Molinuevo JL, Nilsson PM, Noyce A, Ranson JM, Grau-Rivera O, Schott JM, Solomon A, Stephen R, van der Flier W, van Duijn C, **Vellas B**, Visser LNC, Cummings JL, Scheltens P, Ritchie C, Dubois B. Dementia prevention in memory clinics: recommendations from the European task force for brain health services. *Lancet Reg Health Eur*. 2023. 26:100576. [doi: 10.1016/j.lanepe.2022.100576](https://doi.org/10.1016/j.lanepe.2022.100576).
33. Gagesch M, Wieczorek M, Abderhalden LA, Lang W, Freystaetter G, Armbrecht G, Kressig RW, **Vellas B**, Rizzoli R, Blauth M, Orav EJ, Egli A, **Bischoff-Ferrari HA**. Grip strength cut-points from the Swiss DO-HEALTH population. *Eur Rev Aging Phys Act*. 2023. 20(1):13. [doi: 10.1186/s11556-023-00323-6](https://doi.org/10.1186/s11556-023-00323-6).
34. Gagesch M, Wieczorek M, **Vellas B**, Kressig RW, Rizzoli R, Kanis J, Willett WC, Egli A, Lang W, Orav EJ, Bischoff-Ferrari HA. Effects of Vitamin D, Omega-3 Fatty Acids and a Home Exercise Program on Prevention of Pre-Frailty in Older Adults: The DO-HEALTH Randomized Clinical Trial. *J Frailty Aging*. 2023. 12(1):71-77. [doi: 10.14283/jfa.2022.48](https://doi.org/10.14283/jfa.2022.48).
35. Gaussens L, **González-Bautista E**, Bonnefoy M, Briand M, Tavassoli N, **De Souto Barreto P**, **Rolland Y**, On Behalf Of The Gegn Group. Associations between Vitality/Nutrition and the Other Domains of Intrinsic Capacity Based on Data from the INSPIRE ICOPE-Care Program. *Nutrients*. 2023. 15(7):1567. [doi: 10.3390/nu15071567](https://doi.org/10.3390/nu15071567).
36. Giudici KV, **de Souto Barreto P**, **Guyonnet S**, **Cantet C**, Zetterberg H, Boschat C, Hudry J, **Andrieu S**, Schmitt JAJ, **Vellas B**, Blennow K; NOLAN/DSA group. Effect of a 1-Year Nutritional Blend Supplementation on Plasma p-tau181 and GFAP Levels among Community-Dwelling Older Adults: A Secondary Analysis of the Nolan Trial. *JAR Life*. 2023. 12:25-34. [doi: 10.14283/jarlife.2023.7](https://doi.org/10.14283/jarlife.2023.7).
37. Giudici KV, **de Souto Barreto P**, **Guyonnet S**, Morley JE, Nguyen AD, Aggarwal G, Parini A, Li Y, Bateman RJ, **Vellas B**; MAPT/DSA Group (**Coley N**, **Cantet C**, **Andrieu S**, **Abellan van Kan G**, **Voisin T**, **Villars H** collaborators). TNFR-1 and GDF-15 Are Associated With Plasma Neurofilament Light Chain and Progranulin Among Community-Dwelling Older Adults: A Secondary Analysis of the MAPT Study. *J Gerontol A Biol Sci Med Sci*. 2023 Mar 30;78(4):569-578. [doi: 10.1093/gerona/glac244](https://doi.org/10.1093/gerona/glac244).
38. **Gonzalez-Bautista E**, **de Souto Barreto P**, Salinas-Rodriguez A, Manrique-Espinoza B, **Sourdet S**, **Rolland Y**, Rodríguez-Mañas L, **Andrieu S**, **Vellas B**; MAPT/DSA Group (**Cantet C**, **Voisin T**, **Coley N** collaborators). Development and Validation of a Cutoff for the Chair Stand Test as a Screening for Mobility Impairment in the Context of the Integrated Care for Older People Program. *J Gerontol A Biol Sci Med Sci*. 2023. 78(1):104-110. [doi: 10.1093/gerona/glac055](https://doi.org/10.1093/gerona/glac055).
39. **Gonzalez-Bautista E**, Llibre-Guerra JJ, Sosa AL, Acosta I, **Andrieu S**, Acosta D, Llibre-Rodríguez JJ, Prina M. Exploring the natural history of intrinsic capacity impairments: longitudinal patterns in the 10/66 study. *Age Ageing*. 2023. 52(7):afad137. [doi: 10.1093/ageing/afad137](https://doi.org/10.1093/ageing/afad137).
40. Grande de França NA, **Rolland Y**, **Guyonnet S**, **de Souto Barreto P**. The role of dietary strategies in the modulation of hallmarks of aging. *Ageing Res Rev*. 2023. 87:101908. [doi: 10.1016/j.arr.2023.101908](https://doi.org/10.1016/j.arr.2023.101908).
41. Grasset L, Planche V, Bouteloup V, Azouani C, Dubois B, Blanc F, Paquet C, David R, Belin C, Jonveaux T, Julian A, Pariente J, Mangin JF, Chêne G, Dufouil C; Memento Cohort Study Group (**Andrieu S**, **Nourhashémi F**, **Ousset PJ**, **Voisin T** collaborators). Physical activity, biomarkers of brain pathologies and dementia risk: Results from the Memento clinical cohort. *Alzheimers Dement*. 2023. 19(12):5700-5718. [doi: 10.1002/alz.13360](https://doi.org/10.1002/alz.13360).
42. **Guion V**, Sabra A, Martin C, Blanc E, **De Souto Barreto P**, **Rolland Y**. Pneumonia-Associated Emergency Transfers, Functional Decline, and Mortality in Nursing Home Residents. *J Am Med Dir Assoc*. 2023. 24(5):747-752. [doi: 10.1016/j.jamda.2023.02.108](https://doi.org/10.1016/j.jamda.2023.02.108).
43. Guralnik JM, Cawthon PM, Bhasin S, Fielding R, Magaziner J, Cruz-Jentoft AJ, **Vellas B**, Clarke L, Lattimer L, Evans W. Limited physician knowledge of sarcopenia: A survey. *J Am Geriatr Soc*. 2023. 71(5):1595-1602. [doi: 10.1111/jgs.18227](https://doi.org/10.1111/jgs.18227).

44. Gwinnutt JM, Wieczorek M, Balanescu A, **Bischoff-Ferrari HA**, Boonen A, Cavalli G, de Souza S, de Thurah A, Dorner TE, Moe RH, Putrik P, Rodríguez-Carrio J, Silva-Fernández L, Stamm T, Walker-Bone K, Welling J, Zlatković-Švenda MI, Guillemin F, Verstappen SMM. 2021 EULAR recommendations regarding lifestyle behaviours and work participation to prevent progression of rheumatic and musculoskeletal diseases. *Ann Rheum Dis*. 2023. 82(1):48-56. [doi: 10.1136/annrheumdis-2021-222020](https://doi.org/10.1136/annrheumdis-2021-222020).
45. Hampel H, Hu Y, Cummings J, Mattke S, Iwatsubo T, Nakamura A, **Vellas B**, O'Bryant S, Shaw LM, Cho M, Batrla R, Vergallo A, Blennow K, Dage J, Schindler SE. Blood-based biomarkers for Alzheimer's disease: Current state and future use in a transformed global healthcare landscape. *Neuron*. 2023. 111(18):2781-2799. [doi: 10.1016/j.neuron.2023.05.017](https://doi.org/10.1016/j.neuron.2023.05.017).
46. Hoffmann I, Kohl M, von Stengel S, Jakob F, Kersch-Schindl K, Lange U, Peters S, Schoene D, Sieber C, Thomasius F, **Bischoff-Ferrari HA**, Uder M, Kemmler W. Exercise and the prevention of major osteoporotic fractures in adults: a systematic review and meta-analysis with special emphasis on intensity progression and study duration. *Osteoporos Int*. 2023. 34(1):15-28. [doi: 10.1007/s00198-022-06592-8](https://doi.org/10.1007/s00198-022-06592-8).
47. Huberty S, Freystätter G, Wieczorek M, Dawson-Hughes B, Kanis JA, Rizzoli R, Kressig RW, **Vellas B**, Da Silva JAP, Armbrrecht G, Theiler R, Egli A, Orav EJ, **Bischoff-Ferrari HA**; DO-HEALTH Research Group. Association Between Multimorbidity and Rate of Falls: A 3-Year 5-Country Prospective Study in Generally Healthy and Active Community-Dwelling Adults Aged  $\geq 70$  Years. *J Am Med Dir Assoc*. 2023. 24(6):804-810.e4. [doi: 10.1016/j.jamda.2022.12.011](https://doi.org/10.1016/j.jamda.2022.12.011).
48. Jönsson L, Wimo A, Handels R, Johansson G, Boada M, Engelborghs S, Frölich L, Jessen F, Kehoe PG, Kramberger M, de Mendonça A, **Ousset PJ**, Scarmeas N, Visser PJ, Waldemar G, Winblad B. The affordability of lecanemab, an amyloid-targeting therapy for Alzheimer's disease: an EADC-EC viewpoint. *Lancet Reg Health Eur*. 2023. 29:100657. [doi: 10.1016/j.lanepe.2023.100657](https://doi.org/10.1016/j.lanepe.2023.100657).
49. Kanis JA, Johansson H, McCloskey EV, Liu E, Åkesson KE, Anderson FA, Azagra R, Bager CL, Beaudart C, **Bischoff-Ferrari HA**, Biver E, Bruyère O, Cauley JA, Center JR, Chapurlat R, Christiansen C, Cooper C, Crandall CJ, Cummings SR, da Silva JAP, Dawson-Hughes B, Diez-Perez A, Dufour AB, Eisman JA, Elders PJM, Ferrari S, Fujita Y, Fujiwara S, Glüer CC, Goldshtein I, Goltzman D, Gudnason V, Hall J, Hans D, Hoff M, Hollick RJ, Huisman M, Iki M, Ish-Shalom S, Jones G, Karlsson MK, Khosla S, Kiel DP, Koh WP, Koromani F, Kotowicz MA, Kröger H, Kwok T, Lamy O, Langhammer A, Larijani B, Lippuner K, Mellström D, Merlijn T, Nordström A, Nordström P, O'Neill TW, Obermayer-Pietsch B, Ohlsson C, Orwoll ES, Pasco JA, Rivadeneira F, Schott AM, Shiroma EJ, Siggeirsdottir K, Simonsick EM, Sornay-Rendu E, Sund R, Swart KMA, Szulc P, Tamaki J, Torgerson DJ, van Schoor NM, van Staa TP, Vila J, Wareham NJ, Wright NC, Yoshimura N, Zillikens MC, Zwart M, Vandenput L, Harvey NC, Lorentzon M, Leslie WD. Previous fracture and subsequent fracture risk: a meta-analysis to update FRAX. *Osteoporos Int*. 2023. 34(12):2027-2045. [doi: 10.1007/s00198-023-06870-z](https://doi.org/10.1007/s00198-023-06870-z).
50. Kettig E, Kistler-Fischbacher M, de Godoi Rezende Costa Molino C, **Bischoff-Ferrari HA**, Frundi DS. Association of magnesium and vitamin D status with grip strength and fatigue in older adults: a 4-week observational study of geriatric participants undergoing rehabilitation. *Aging Clin Exp Res*. 2023 Aug;35(8):1619-1629. [doi: 10.1007/s40520-023-02450-7](https://doi.org/10.1007/s40520-023-02450-7).
51. Lazeras C, Bonnet M, Laurens B, Berrut G, Dumas É, Dombret P, Bonin-Guillaume S, Lauwick P, Abramovici F, **Soto-Martin M**, Goutte V. [Driving: What is the relevance and usability of the Reisberg scale in 2023?]. *Geriatr Psychol Neuropsychiatr Vieil*. 2023. 21(3):343-346. [doi: 10.1684/pnv.2023.1118](https://doi.org/10.1684/pnv.2023.1118).
52. LeBoff MS, **Bischoff-Ferrari HA**. The Effects of Vitamin D Supplementation on Musculoskeletal Health: The VITAL and DO-Health Trials. *J Gerontol A Biol Sci Med Sci*. 2023. 78(Supplement\_1):73-78. [doi: 10.1093/gerona/glad073](https://doi.org/10.1093/gerona/glad073).



53. Lengelé L, **Sourdet S**, Soriano G, **Rolland Y**, Soler V, **de Souto Barreto P**. Cross-sectional associations of dietary intake with hearing and vision capacities and potential mediation effect of inflammation in older adults: the COGFRAIL study. *Aging Clin Exp Res*. 2023. 35(6):1325-1337. [doi: 10.1007/s40520-023-02418-7](#).
54. **Lu WH**, **Gonzalez-Bautista E**, **Guyonnet S**, Lucas A, Parini A, Walston JD, **Vellas B**, **de Souto Barreto P**; MAPT/DSA Group. Plasma inflammation-related biomarkers are associated with intrinsic capacity in community-dwelling older adults. *J Cachexia Sarcopenia Muscle*. 2023. 14(2):930-939. [doi: 10.1002/jcsm.13163](#).
55. **Lu WH**, **González-Bautista E**, **Guyonnet S**, Martinez LO, Lucas A, Parini A, **Rolland Y**, **Vellas B**, **de Souto Barreto P**; MAPT/DSA Group (**Andrieu S**, **Cantet C**, **Abellan Van Kan G**, **Coley N**, **Villars H** collaborators). Investigating three ways of measuring the intrinsic capacity domain of vitality: nutritional status, handgrip strength and ageing biomarkers. *Age Ageing*. 2023. 52(7):afad133. [doi: 10.1093/ageing/afad133](#).
56. **Lu WH**, **Guyonnet S**, Martinez LO, Lucas A, Parini A, **Vellas B**, **de Souto Barreto P**. Association between aging-related biomarkers and longitudinal trajectories of intrinsic capacity in older adults. *Geroscience*. 2023. 45(6):3409-3418. [doi: 10.1007/s11357-023-00906-2](#).
57. **Lu WH**, **Rolland Y**, **Guyonnet S**, **de Souto Barreto P**, **Vellas B**. Reference centiles for intrinsic capacity throughout adulthood and their association with clinical outcomes: a cross-sectional analysis from the INSPIRE-T cohort. *Nat Aging*. 2023. 3(12):1521-1528. [doi: 10.1038/s43587-023-00522-x](#).
58. **Malham CB**, Khatib SE, Strumia M, **Andrieu S**, **Cestac P**, Salameh P. The MGPIDP-L project: Potentially inappropriate drug prescribing and its associated factors. *Arch Gerontol Geriatr*. 2023. 109:104947. [doi: 10.1016/j.archger.2023.104947](#).
59. Mallinckrodt C, Tian Y, Aisen PS, Barkhof F, Cohen S, Dent G, Hansson O, Harrison K, Iwatsubo T, Mummery CJ, Muralidharan KK, Nestorov I, Nisenbaum L, Rajagovindan R, von Hehn C, van Dyck CH, **Vellas B**, Wu S, Zhu Y, Sandroock A, Chen T, Budd Haeberlein S. Investigating Partially Discordant Results in Phase 3 Studies of Aducanumab. *J Prev Alzheimers Dis*. 2023. 10(2):171-177. [doi: 10.14283/jpad.2023.6](#).
60. Maltais M, **de Souto Barreto P**, Perus L, Mangin JF, Grigis A, Chupin M, Bouyahia A, Gabelle A, **Delrieux J**, **Rolland Y**, **Vellas B**. Re: Prospective Associations between Diffusion Tensor Imaging Parameters and Frailty in Older Adults. *J Am Geriatr Soc*. 2023. 71(8):E23-E24. [doi: 10.1111/jgs.16456](#).
61. Maulat C, Truant S, Hobeika C, Barbier L, Herrero A, Doussot A, Gagnière J, Girard É, Tranchart H, Regimbeau JM, Fuks D, Cauchy F, Prodeau M, Notte A, Toubert C, Salamé E, El Amrani M, **Andrieu S**, Muscari F, **Shourick J**, Suc B. Prognostication algorithm for non-cirrhotic non-B non-C hepatocellular carcinoma-a multicenter study under the aegis of the French Association of Hepato-Biliary Surgery and liver Transplantation. *Hepatobiliary Surg Nutr*. 2023. 12(2):192-204. [doi: 10.21037/hbsn-22-33](#).
62. McDermid J, Ballard C, Khan Z, Aarsland D, Fox C, Fossey J, Clare L, Moniz-Cook E, **Soto-Martin M**, Sweetnam A, Mills K, Cummings J, Corbett A. Impact of the Covid-19 pandemic on neuropsychiatric symptoms and antipsychotic prescribing for people with dementia in nursing home settings. *Int J Geriatr Psychiatry*. 2023. 38(1):e5878. [doi: 10.1002/gps.5878](#).
63. Middleton LT, Touchon J, **Vellas B**. Editorial: What Is Reasonable and Necessary for Alzheimer Patients from Randomized Clinical Trials to Clinical Practice? *J Prev Alzheimers Dis*. 2023. 10(3):331-332. [doi: 10.14283/jpad.2023.69](#).
64. Mounie M, Fabre D, Rapp T, **Rolland Y**, Blain H, Tchalla A, Carcaillon-Bentata L, Beltzer N, Assous L, Apparitio S, Caby D, Reina N, Andre L, Molinier L, Costa N. Costs and Survival of Patients having Experienced a Hospitalized Fall-Related Injury in France: A Population-Based Study. *J Am Med Dir Assoc*. 2023. 24(7):951-957.e4. [doi: 10.1016/j.jamda.2023.02.005](#).
65. Novais T, Qassemi S, **Cestac P**, McCambridge C, **Villars H**, Zueras A, Decaudin B, Dambrine M, Huvent-Grelle D, Roche J, Schoenenburg S, Federico D, Nier AC, Krolak-Salmon P, Mouchoux C. Impact of pharmaceutical

- care integrated at a psychosocial intervention to reduce caregiver's burden in Alzheimer's disease or related dementias: Negative results at 18 months and difficulties to conduct PHARMAID RCT. *Contemp Clin Trials Commun.* 2023. 33:101146. [doi: 10.1016/j.conctc.2023.101146](#).
66. Perus L, Mangin JF, Deverdun J, Gutierrez LA, Gourieux E, Fischer C, Van Dokkum LEH, Manesco C, Busto G, **Guyonnet S, Vellas B**, Gabelle A, Le Bars E; MAPT/DSA group (**Coley N, Cantet C, Andrieu S, Voisin T, Rolland Y** collaborators). Impact of multidomain preventive strategies on functional brain connectivity in older adults with cognitive complaint: Subset from the Montpellier center of the ancillary MAPT-MRI study. *Front Aging Neurosci.* 2023. 14:971220. [doi: 10.3389/fnagi.2022.971220](#).
67. **Piau A**, Steinmeyer Z, Mattek N, Lindauer A, Sharma N, Bouranis N, Wild K, Kaye J. Caregiving in Older Adults; Experiences and Attitudes toward Smart Technologies. *J Clin Med.* 2023. 12(5):1789. [doi: 10.3390/jcm12051789](#).
68. Pires Da Silva J, Wargny M, Raffin J, Croyal M, Duparc T, Combes G, Genoux A, Perret B, **Vellas B, Guyonnet S**, Thalamas C, Langin D, Moro C, Viguerie N, **Rolland Y, de Souto Barreto P**, Cariou B, Martinez LO; MAPT/DSA Group. Plasma level of ATPase inhibitory factor 1 (IF1) is associated with type 2 diabetes risk in humans: A prospective cohort study. *Diabetes Metab.* 2023. 49(1):101391. [doi: 10.1016/j.diabet.2022.101391](#).
69. Planche V, Bouteloup V, Pellegrin I, Mangin JF, Dubois B, **Ousset PJ**, Pasquier F, Blanc F, Paquet C, Hanon O, Bennys K, Ceccaldi M, Annweiler C, Krolak-Salmon P, Godefroy O, Wallon D, Sauvee M, Boutoleau-Bretonnière C, Bourdel-Marchasson I, Jalenques I, Chene G, Dufouil C; MEMENTO Study Group. Validity and Performance of Blood Biomarkers for Alzheimer Disease to Predict Dementia Risk in a Large Clinic-Based Cohort. *Neurology.* 2023. 100(5):e473-e484. [doi: 10.1212/WNL.0000000000201479](#).
70. Raffin J, **de Souto Barreto P**, Le Traon AP, **Vellas B**, Aubertin-Leheudre M, **Rolland Y**. Sedentary behavior and the biological hallmarks of aging. *Ageing Res Rev.* 2023. 83:101807. [doi: 10.1016/j.arr.2022.101807](#).
71. Raffin J, **Rolland Y**, Fischer C, Mangin JF, Gabelle A, **Vellas B, de Souto Barreto P**; MAPT/DSA Group. Cross-sectional associations between cortical thickness and physical activity in older adults with spontaneous memory complaints: The MAPT Study. *J Sport Health Sci.* 2023. 12(3):324-332. [doi: 10.1016/j.jshs.2021.01.011](#).
72. Raffin J, **Rolland Y**, Parini A, Lucas A, **Guyonnet S, Vellas B, de Souto Barreto P**; MAPT/DSA Group (**Coley N, Cantet C, Andrieu S, Abellan van Kan G, Voisin T, Villars H** collaborators). Association between physical activity, growth differentiation factor 15 and bodyweight in older adults: A longitudinal mediation analysis. *J Cachexia Sarcopenia Muscle.* 2023. 14(2):771-80. [doi: 10.1002/jcsm.13152](#).
73. Rapp T, Sicsic J, Tavassoli N, **Rolland Y**. Do not PIMP my nursing home ride! The impact of Potentially Inappropriate Medications Prescribing on residents' emergency care use. *Eur J Health Econ.* 2023. 24(7):1085-1100. [doi: 10.1007/s10198-022-01534-x](#).
74. Remer T, Kalotai N, Amini AM, Lehmann A, Schmidt A, **Bischoff-Ferrari HA**, Egert S, Ellinger S, Kroke A, Kühn T, Lorkowski S, Nimptsch K, Schwingshackl L, Zittermann A, Watzl B, Siener R; German Nutrition Society. Protein intake and risk of urolithiasis and kidney diseases: an umbrella review of systematic reviews for the evidence-based guideline of the German Nutrition Society. *Eur J Nutr.* 2023. 62(5):1957-1975. [doi: 10.1007/s00394-023-03143-7](#).
75. **Rolland Y**, Dray C, **Vellas B, de Souto Barreto P**. Current and investigational medications for the treatment of sarcopenia. *Metabolism.* 2023. 149:155597. [doi: 10.1016/j.metabol.2023.155597](#).
76. **Rolland Y**, Sierra F, Ferrucci L, Barzilai N, De Cabo R, Mannick J, Oliva A, Evans W, **Angioni D, De Souto Barreto P**, Raffin J, **Vellas B**, Kirkland JL; G.C.T-TF group. Challenges in developing Geroscience trials. *Nat Commun.* 2023. 14(1):5038. [doi: 10.1038/s41467-023-39786-7](#).

77. Salinas-Rodríguez A, Palazuelos-González R, **Gonzalez-Bautista E**, Manrique-Espinoza B. Editorial: Sarcopenia, Cognitive Function, and the Heterogeneity in Aging. *J Nutr Health Aging*. 2023. 27(4):240-242. [doi: 10.1007/s12603-023-1910-1](https://doi.org/10.1007/s12603-023-1910-1).
78. Sánchez-Sánchez JL, Ader I, Jeanson Y, Planat-Benard V, **Vellas B**, Casteilla L, **de Souto-Barreto P**. Periostin Plasma Levels and Changes on Physical and Cognitive Capacities in Community-Dwelling Older Adults. *J Gerontol A Biol Sci Med Sci*. 2023. 78(3):424-432. [doi: 10.1093/gerona/glac226](https://doi.org/10.1093/gerona/glac226).
79. St-Martin P, Dionne IJ, Maltais M, **Rolland Y**; MAPT/DSA Study Group. Cross-sectional and prospective associations between homocysteine and a frailty index: A post-hoc analysis of the multidomain Alzheimer's prevention trial (MAPT). *Exp Gerontol*. 2023. 172:112066. [doi: 10.1016/j.exger.2022.112066](https://doi.org/10.1016/j.exger.2022.112066).
80. Stuck AK, Basile G, Freystaetter G, de Godoi Rezende Costa Molino C, Lang W, **Bischoff-Ferrari HA**. Predictive validity of current sarcopenia definitions (EWGSOP2, SDOC, and AWGS2) for clinical outcomes: A scoping review. *J Cachexia Sarcopenia Muscle*. 2023. 14(1):71-83. [doi: 10.1002/jcsm.13161](https://doi.org/10.1002/jcsm.13161).
81. Stuck AK, Tsai LT, Freystaetter G, **Vellas B**, Kanis JA, Rizzoli R, Kressig KS, Armbrecht G, Da Silva JAP, Dawson-Hughes B, Egli A, Bischoff-Ferrari HA. Comparing Prevalence of Sarcopenia Using Twelve Sarcopenia Definitions in a Large Multinational European Population of Community-Dwelling Older Adults. *J Nutr Health Aging*. 2023. 27(3):205-212. [doi: 10.1007/s12603-023-1888-y](https://doi.org/10.1007/s12603-023-1888-y).
82. Taillefer de Laportalière T, Jullien A, Yrondi A, **Cestac P**, Montastruc F. Reporting of harms in clinical trials of esketamine in depression: a systematic review. *Psychol Med*. 2023. 53(10):4305-4315. [doi: 10.1017/S0033291723001058](https://doi.org/10.1017/S0033291723001058).
83. van Dyck CH, Swanson CJ, Aisen P, Bateman RJ, Chen C, Gee M, Kanekiyo M, Li D, Reyderman L, Cohen S, Froelich L, Katayama S, Sabbagh M, **Vellas B**, Watson D, Dhadda S, Irizarry M, Kramer LD, Iwatsubo T. Lecanemab in Early Alzheimer's Disease. *N Engl J Med*. 2023 Jan 5;388(1):9-21. [doi: 10.1056/NEJMoa2212948](https://doi.org/10.1056/NEJMoa2212948).
84. **Vellas B**. How to Implement Integrated Care for Older Persons-ICOPE-Massively in Clinical Practice for a Healthy Longevity. *JAR Life*. 2023. 12:18-19. [doi: 10.14283/jarlife.2023.4](https://doi.org/10.14283/jarlife.2023.4).
85. Veronese N, Soysal P, Demurtas J, Solmi M, Bruyère O, Christodoulou N, Ramalho R, Fusar-Poli P, Lappas AS, Pinto D, Frederiksen KS, Corbi GM, Karpenko O, Georges J, Durães J, Schlögl M, Yilmaz O, Sieber C, Shenkin SD, Smith L, Reginster JY, Maggi S, Limongi F, Ars J, Barbagallo M, Cherubini A, Quinn T; Alzheimer Europe; European College of Neuropsychopharmacology; European Geriatric Medicine Society (Lead Society); European Interdisciplinary Council on Ageing; European Society of Clinical and Economic Aspects of Osteoporosis and Osteoarthritis; International Association of Gerontology and Geriatrics-European Region; Scottish Brain Health ARC; World Psychiatry Association-Preventive Psychiatry Section; endorsed by the European Academy of Neurology (**Rolland Y** collaborator). Physical activity and exercise for the prevention and management of mild cognitive impairment and dementia: a collaborative international guideline. *Eur Geriatr Med*. 2023. 14(5):925-952. [doi: 10.1007/s41999-023-00858-y](https://doi.org/10.1007/s41999-023-00858-y).
86. Vlietstra L, Kirk B, Duque G, Qualls C, **Vellas B**, **Andrieu S**, Morley JE, Waters DL. Using minimal clinically important differences to measure long-term transitions of osteosarcopenia: The New Mexico Aging Process Study. *Exp Gerontol*. 2023. 173:112106. [doi: 10.1016/j.exger.2023.112106](https://doi.org/10.1016/j.exger.2023.112106).
87. Zacarin A, Gonzales C, Nigon D, **Piau A**, Bagheri H. Impact of medication reviews on drug-related problems (DRPs) in older patients living in nursing homes in West Occitania. *Fundam Clin Pharmacol*. 2023. 37(1):182-190. [doi: 10.1111/fcp.12820](https://doi.org/10.1111/fcp.12820).
88. Zittermann A, Schmidt A, Haardt J, Kalotai N, Lehmann A, Egert S, Ellinger S, Kroke A, Lorkowski S, Louis S, Schulze MB, Schwingshackl L, Siener R, Stangl GI, Volkert D, Watzl B, **Bischoff-Ferrari HA**; German Nutrition Society. Protein intake and bone health: an umbrella review of systematic reviews for the evidence-based



guideline of the German Nutrition Society. *Osteoporos Int.* 2023. 34(8):1335-1353. [doi: 10.1007/s00198-023-06709-7](https://doi.org/10.1007/s00198-023-06709-7).