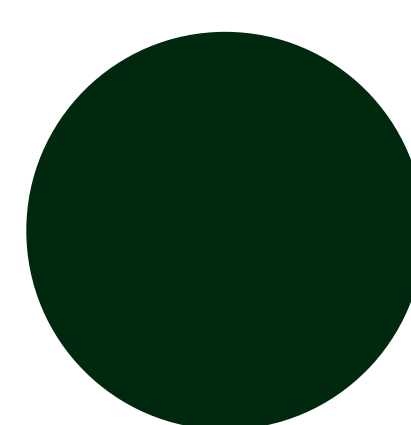


Bar-Ilan’s Researchers Websites

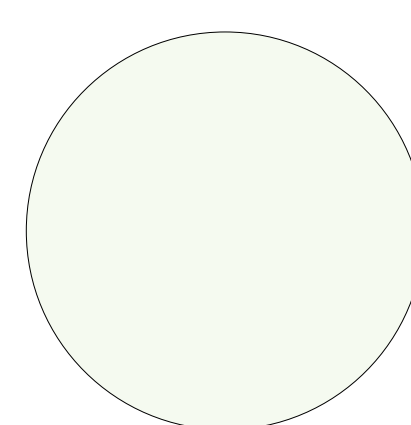
Colors



#004128



#00280f



#f5fafo

Icons

According to the icons from Bar-Ilan’s website



Headings

Researchers Websites H1

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  font-size : 72px;
  color : #004128;
  color : rgb(0, 65, 40);
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Researchers Websites H2

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Researchers Websites H3

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  color : #F5FAFo;
  color : rgb(245, 250, 240);
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Researchers Websites H4

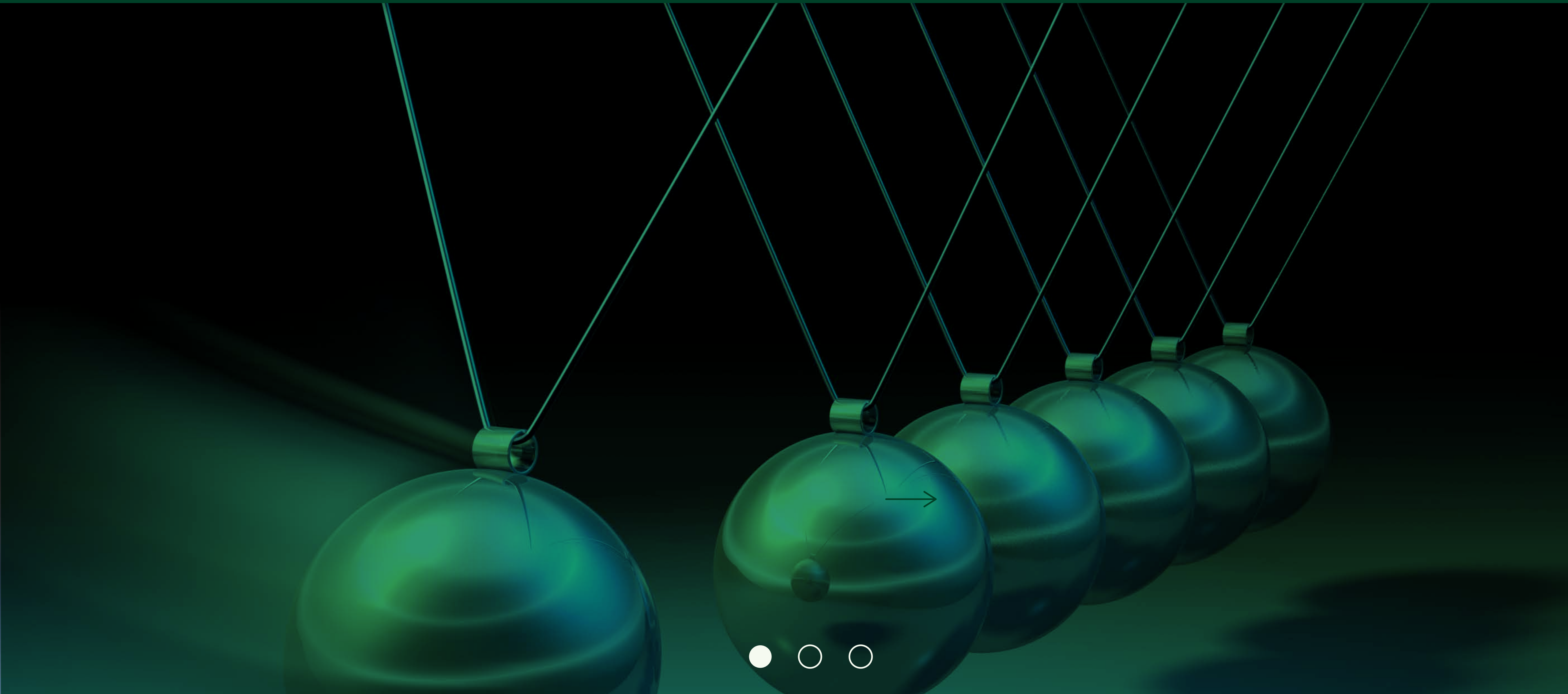
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.H4
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  color : #00280F;
  color : rgb(0, 40, 15);
}
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Researchers Websites H5

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Researchers Websites H6

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  color : rgb(0, 65, 40);
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Major Research Interests



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- Composite materials based on orange and pomegranate peels for Cu (II) and Zn (II) ions extraction **(2021)**
- Gas Phase Bond Formation in Dipeptide Clusters **(2020)**
- Enantioselective Crystallization of Chiral Inorganic Crystals of epsilon-Zn(OH)(2) with Amino Acids **(2020)**
- Mesoporous carbon materials with enantioselective surface obtained by nanocasting for selective adsorption of chiral molecules from solution and the gas phase **(2019)**

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Prof. Yitzhak Mastai

My primary field of research is chirality at the nanoscale, with a focus on nanoscale chirality, synthesis, and analysis of chiral nanosurfaces, chiral self-assembled monolayers (SAM), and polymeric



Major Research Interests



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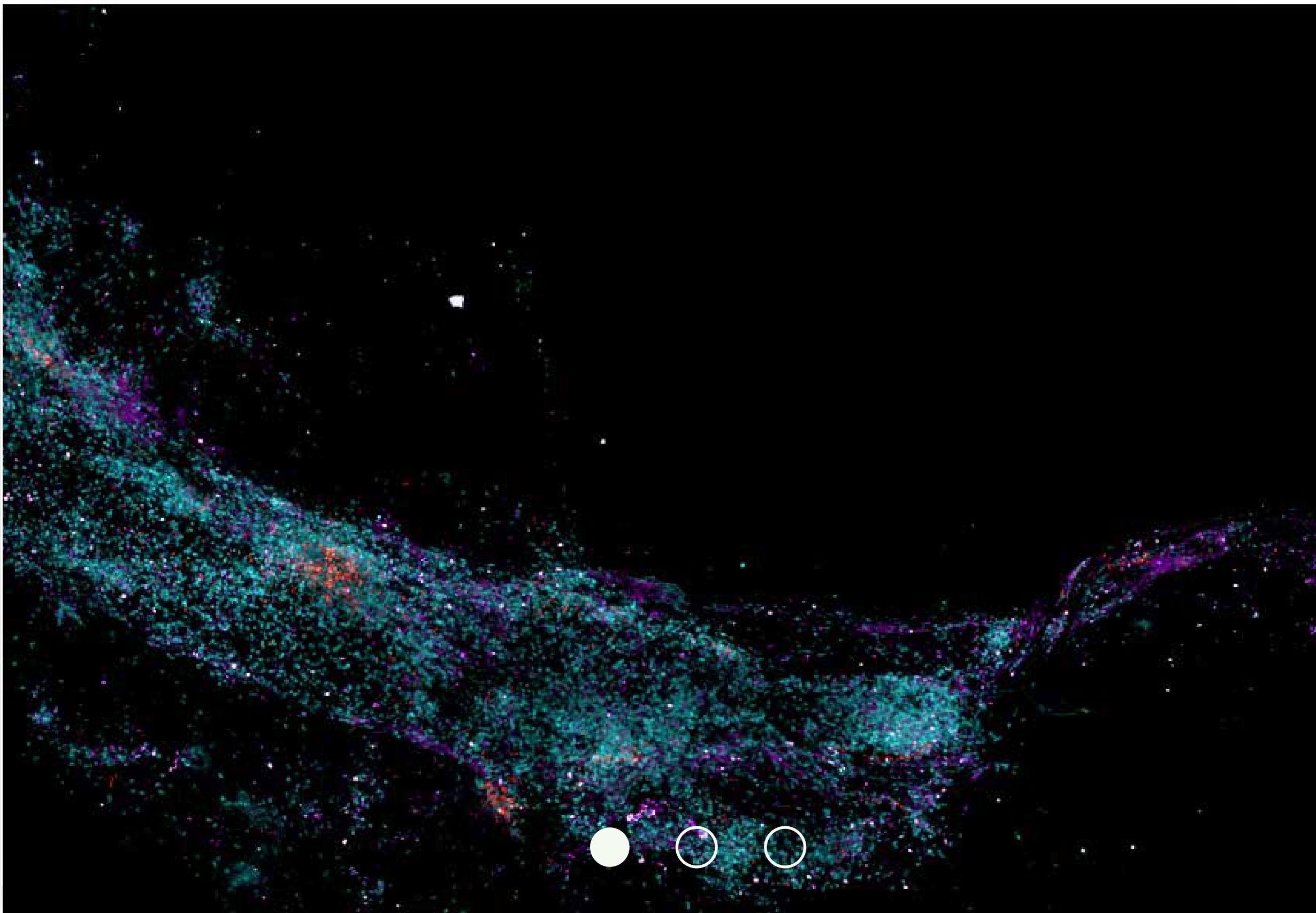
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Neuroimmunology is the most rapidly advancing field of research in the study of brain diseases and particularly in Alzheimer's disease. We are studying how immune cells interact with the brain during Aging, in Alzheimer's disease and in individuals with Down syndrome. We also study the mechanistic link between pregnancy with a Down syndrome fetus and the elevated risk of maternal cognitive decline.

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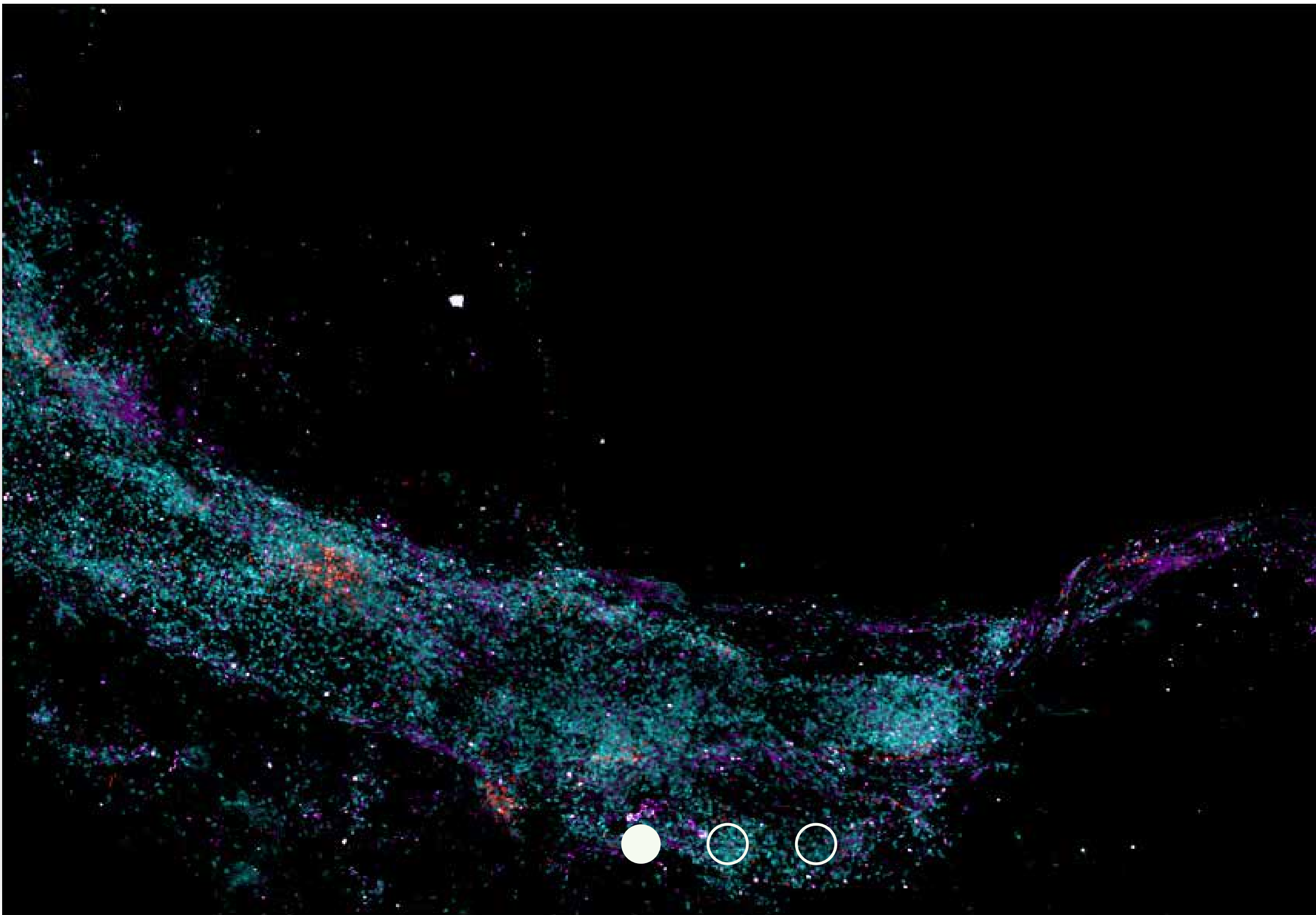
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Research



Preventing maternal cognitive decline in mother to Down syndrome children using vaccines

The increase in maternal age worldwide, a known risk factor for a Down syndrome (DS) pregnancy, along with the persistent prevakence of DS in the world population, stresses the need to address any potential mechanistic link between pregnancy with DS fetus and maternal late-onset Alzheimer's disease (LOAD)



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Publications

Year

Early diagnosis and treatment of Alzheimer’s disease by targeting toxic soluble Aβ oligomers.

Ben-Ami L, Ravona-Springer R, Tsarfaty G, Raizman R, Shumacher A, Sharvit-Ginon I, Greenbaum L, B Bendlin B, Okun E, Heymann A, Schnaider Beerli M, Livny A. , **2023**

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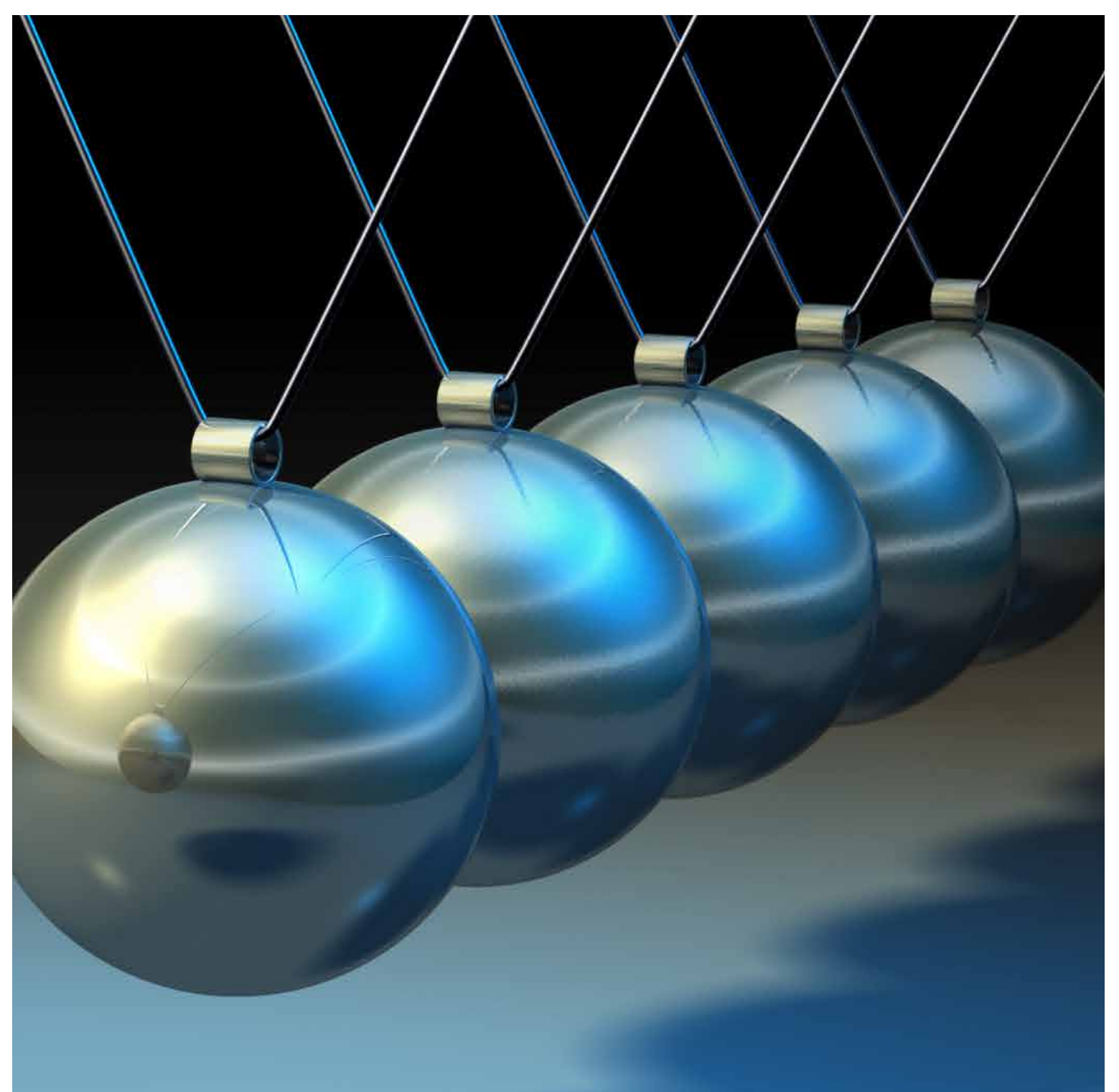
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