



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 825033

AUTISM: BMSYSTEMS invited to Biofit 2023 & Polepharma Microbiomics conferences to present its novel Autism (ASD) therapies and the world's first guide to help clinicians and parents to better care ASD patients.

PRESS RELEASE Paris November 15, 2023: BMSYSTEMS is invited to [Polepharma Microbiomics](#) (November 22-23, 2023) and [Biofit 2023](#) (December 12-13, 2023) conferences to present **its novel Autism (ASD) therapy (CADI-T2011)** for the alleviation of ASD core symptoms ready for validation and to announce **the world's first guide to help clinicians and parents to better care for ASD patients.** *We warmly invite you to download the Conference presentation.* Do not hesitate *to contact us to get the documents (guide & presentation) and for more information or for a ASD CADI™ pathogenesis model scientific presentation.*

Many thanks to PolePharma, the leading European Pharma cluster and Biofit team for these unique opportunities to explain how BMSYSTEMS is successfully combining since 2004, Human intelligence and Artificial intelligence to generate with its Integrative biologists CADI Discovery first in class therapeutic solutions.

Latest output of the [GEMMA H2020 program](#), we are proud to announce our 3rd publication completing the world's first integrative neurodevelopmental model describing the mechanisms and dynamics of ASD pathogenesis from pregnancy to early childhood that unravels the impact of epitranscriptomics in ASD pathogenesis by explaining how abrupt changes in environmental conditions in utero, such as those conferred by maternal inflammation/immune activation, influence RNA editing mechanisms, with the combination of these processes altering fetal brain development and leading to ASD phenotypes. *"RNA epitranscriptomics dysregulation: A major determinant for significantly increased risk of ASD pathogenesis"* ([download pdf open access](#)).

The first paper presented a novel mechanistic hypothesis on the interaction between the patient and its microbiome in ASD affected individuals: *"Autonomic Nervous System Neuroanatomical Alterations Could Provoke and Maintain Gastrointestinal Dysbiosis in Autism Spectrum Disorder (ASD): A Novel Microbiome–Host Interaction Mechanistic Hypothesis"* ([download pdf open access](#)).

The second paper presented the integrative neurodevelopmental model that describes the mechanisms and dynamics of ASD pathogenesis from pregnancy to early childhood: *"Autism Spectrum Disorders pathogenesis: Toward a comprehensive model based on neuroanatomic and neurodevelopment considerations"* ([download pdf open access](#)).

BIO-MODELING SYSTEMS, at the forefront of the necessary digital transformation of R&D processes, created CADI Discovery in 2004, successfully combining human and artificial intelligence, to generate unique heuristic non-mathematical models with the help of its Integrative biologists

This announcement confirms the excellence of BMSystems in delivering value to patients and shareholders.

Created in 2004, profitable since 2006, thanks to our recurrent clients, BMSystems addresses two complementary business targets:

- **For R&D, Translational Medicine & Digital Health Executives**, we offer *robust alternative decision-making to de-risk, save time and costs* of R&D and Digital Health programs,



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- **For Business Developers, Patients Groups & Investors**, we discover *novel low-risk, highly effective and cost-effective* diagnostic, therapy, nutrition, cosmetic, bioprocess solutions for spin-offs or out-licensing.

We warmly invite you to [visit our new website](#) to discover our achievements in diagnostics, therapeutics, cosmetics, digital-Health and bio-processes.

Do not hesitate to contact us or meet us at these conferences for more information or any business request. [Download our latest presentation.](#)

About Bio-Modeling Systems (BMSystems):

Bio-Modeling Systems, founded in 2004 and profitable since 2006, is with its operational "**Augmented Intelligence**" CADI™ "Discovery" platform the first and, to date, only company to successfully create in-silico heuristic models validated in-vivo that successfully create in-silico heuristic models validated in-vivo. BMSystems' models have been built by its biologists using an integrated IT solution called CADI™ (Computer Assisted Deductive Integration) and have led to discoveries and patents in the fields of infectious diseases, oncology, neurology, psychiatry, dermatology, immunology, metabolic disorders, innovative bioprocesses for industrial biotech and the creation of new companies exploiting these patents. BMSystems' models describe the biological phenomena involved in pathological states and provide novel mechanistic integrations to explain the cause of certain diseases, identify and select predictive biomarkers, offer new combinations of molecules and new therapeutic strategies, thereby contributing to the development of Mechanism-Based Medicine.

Bio-Modeling Systems, the world's first Mechanisms-Based Medicine Company, generated 14 successes independently validated by our clients/partners of which: 1 therapeutic spin-off in antibiotic resistance and 1 exclusive out-license in CNS, 4 issued patents, 10 publications.

Two new therapeutic programs in CFS-Low-grade inflammation and Parkinson's disease are ready for clinic validation.

For more information and access to presentations & publications, please visit <https://www.bmsystems.org>.

Press Contacts

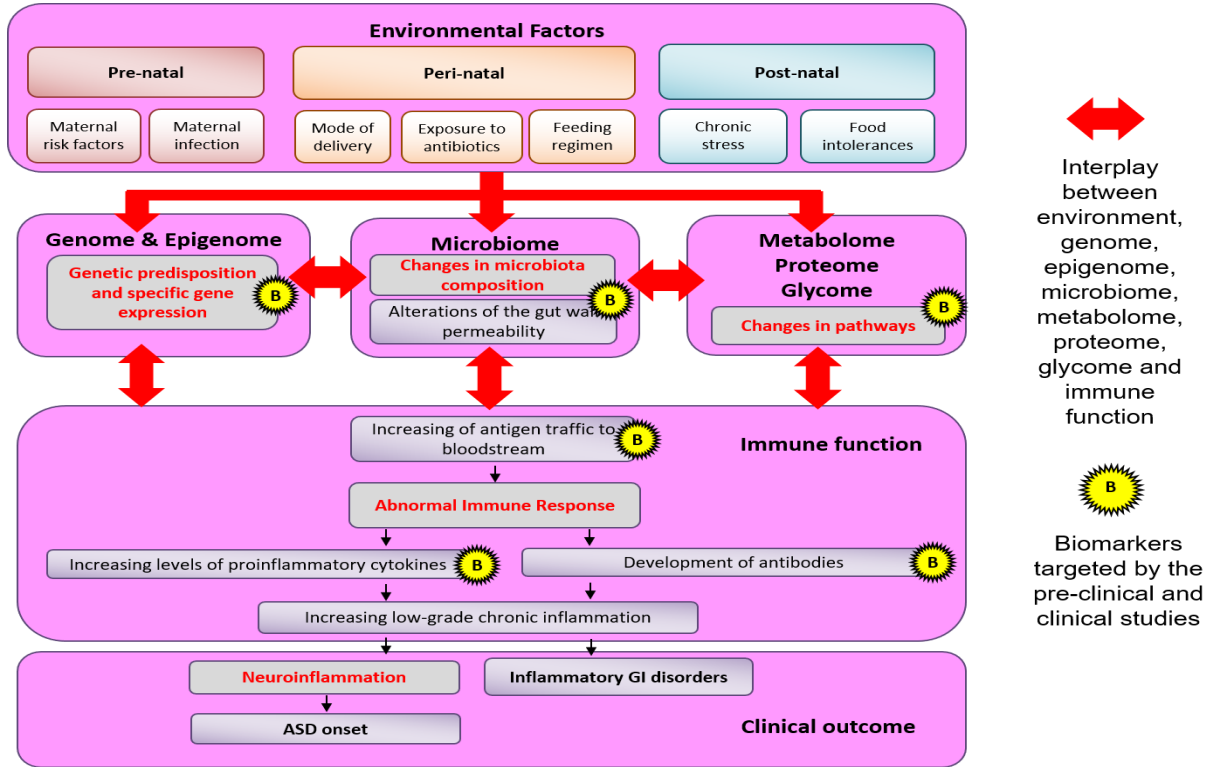
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GEMMA MEMBERS

