



Since 2015

**Leading the global reference in
DAO Deficiency, where science
meets patient care.**

Letter of introduction



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Dear Prospective Partner,

On behalf of the International Institute of DAO Deficiency, hereinafter, the DAO Institute, it is our pleasure to share with you this collaboration dossier. Our aim is to establish strategic partnerships that help expand awareness of DAO Deficiency and its associated pathologies, both within the general public and the healthcare community, ultimately improving the quality of life of those who suffer from it, many of whom remain undiagnosed.

Through this document, we invite you to join a pioneering global initiative that brings together scientific and clinical research, professional training, regulatory advancement, and public awareness efforts focused on a condition that, although still not widely known, affects more than 10% of the population.

We firmly believe that, together, with the support of organizations committed to health and innovation, we can make a meaningful difference.

Warm regards,

About the DAO Institute

Advancing knowledge in histamine metabolism and DAO Deficiency.

The International Institute of DAO Deficiency (DAO Institute) is a research, education, and knowledge-transfer organization dedicated to the scientific study and clinical understanding of Diamine Oxidase (DAO) Deficiency and its central role in the regulation of histamine metabolism. The Institute focuses on elucidating the physiological function of DAO, the mechanisms leading to reduced enzymatic activity, and the systemic clinical implications associated with impaired histamine degradation.

We collaborate with universities, hospitals, analytical laboratories, clinical research units, and biomedical institutions to support observational studies, clinical trials, translational research, and the development of diagnostic and therapeutic tools for DAO Deficiency. A core aim of the Institute is to contribute to the standardization of diagnostic criteria and laboratory methodologies, as well as to develop structured approaches for patient stratification and clinical management.

Key Areas of Work

Translational and clinical research on histamine metabolism and its relationship with neurological, gastrointestinal, dermatological, and neurovegetative manifestations.

Development of clinical practice protocols for the assessment, diagnosis, and comprehensive management of DAO Deficiency.

Promotion of cross-disciplinary collaboration, facilitating the integration of new findings into medical practice and healthcare systems.

Professional education and certification programs for physicians, pharmacists, dietitians, and allied health professionals.

Scientific communication and patient-oriented education, providing reliable resources for individuals seeking to understand and manage their condition.

Global Technological Platform

The **DAO Institute** promotes and coordinates a **global technological platform** designed to connect **specialized healthcare professionals** with the **patient population**, estimated at approximately **15% of the general population**. This platform supports:

- Access to specialists trained and licensed in DAO Deficiency management.
- Standardized clinical pathways and referral networks.
- Shared knowledge, case discussion, and ongoing professional development.
- Secure patient navigation toward evidence-based care.

Objectives

- **Improving patient outcomes and quality of life** through early detection and personalized management strategies.
- **Developing an international network of DAO Deficiency specialists** connected through a structured licensing framework and the Institute's digital platform.
- **Facilitating direct specialist–patient connectivity** through guided clinical pathways.
- **Promoting awareness and scientific understanding** of DAO Deficiency across biological, physiological, clinical, diagnostic, therapeutic, and preventive dimensions.
- **Ensuring the translation of research outcomes into healthcare systems**, benefiting patients through improved diagnosis and treatment.
- **Supporting the development and optimization of healthcare and nutritional products** that enhance daily living for affected individuals.
- **Carrying out related lawful activities** consistent with advancing the Institute's mission.

Activities

- Conducting **scientific and clinical research on DAO Deficiency.**
- Promoting and organizing **conferences, professional training programs, collaborative studies, and research initiatives.**
- Coordinating **public education, scientific dissemination, and preventive health campaigns.**
- Establishing relationships with **regulatory authorities, scientific societies, medical institutions, and patient associations.**
- Forming partnerships with **biotechnology, healthcare, and nutritional innovation companies** to foster translational application and technology development.



Mission

Our mission is to support **precise, evidence-based clinical practice** that enables earlier diagnosis, more effective clinical interventions, and improved quality of life for individuals with DAO Deficiency. The DAO Institute operates under principles of **scientific rigor, continuous advancement, and multidisciplinary collaboration**, contributing to a clearer understanding and better clinical management of this metabolic condition.

Our Values

Scientific Rigor

Professional Ethics

Innovation

Impartiality

Commitment

What's DAO Deficiency

DAO Deficiency is an alteration in the metabolism of **exogenous histamine** that appears when Diamine Oxidase (DAO) enzyme activity is low. In other words, when for some reason there is a significant deficiency in the functional activity of the main enzyme in the metabolism of **histamine**.

DAO deficiency is the functional lack of the enzyme **Diamine Oxidase or DAO**, an enzyme synthesized in the enterocytes and the main responsible for eliminating **histamine**, a molecule found in food.



When there is an **alteration in the metabolism of histamine** due to the insufficient DAO activity, the ratio between ingested histamine and the ability to synthesize it is unbalanced. This fact makes difficult to broke down histamine and be properly eliminated through urine, causing the activation of certain histamine receptors followed by its accumulation in plasma. The consequence is the appearance of **different symptoms**.

The onset of symptoms may be associated with the consumption of a wide range of foods with variable histamine content. Effects may even appear after the consumption of products with low histamine levels if they are consumed continuously. Hence the difficulty in associating a food with a symptom.

When an accumulation of histamine occurs, certain receptors are activated in the body (H1, H2, H3 or H4) and very diverse symptoms can appear.

Despite its high genetic predisposition and prevalence, this condition remains largely unknown among both the general population and healthcare professionals, and is therefore underdiagnosed.

For this reason, the work of the DAO Institute focuses on closing this knowledge gap through scientific and clinical evidence, as well as through medical outreach.

Action Lines

Research

- Ongoing clinical studies on DAO and associated diseases.
- Development of new diagnostic tools.
- Scientific publications and participation in congresses and corporate conventions.
- Collaboration with universities, research groups, and hospital centers.

Training

- Introductory and continuing education for all affiliated/licensed healthcare professionals (physicians, nutritionists, and pharmacists).
- On-site training days and periodic thematic webinars.
- Updated clinical guidelines and protocols.

Awareness

- Information campaigns in media and social networks.
- Educational materials for patients.
- Organization and promotion of the biennial **Global DAO Congress**.
- Participation in community health events.

Regulatory

- Dialogue and coordination with health authorities.
- Establishment of the “**Guaranteed DAO Activity**” Seal for the pharmaceutical and food industries, endorsed by leading accredited diagnostic laboratories.

Why Partner with the DAO Deficiency Institute?

- **High-Value Scientific Credibility:** A team with deep scientific and clinical expertise, backed by peer-reviewed publications that reinforce trust and authority.
- **Direct Market Impact:** Initiatives that generate measurable outcomes in patient care, professional education, and awareness, driving adoption and market growth.
- **Brand Visibility and Differentiation:** Align your brand with a pioneering institution in public health innovation, enhancing reputation and consumer confidence.
- **Strategic Ecosystem Access:** Partnerships with leading universities, hospitals, and research centers create opportunities for co-development, validation, and market expansion.
- **Global Influence Network:** Connection to a worldwide network of prescribers, key opinion leaders (KOLs), and patient communities that accelerate market penetration.
- **Evidence-Driven Product Positioning:** Strengthen your product's value proposition with science-based validation and clinical relevance supported by the Institute.



Partnership Tiers

Platinum Partner ★★★★★

- Annual financial contribution
- Seat on the Scientific Advisory Board
- Full visibility across all DAO Institute activities and communications

Gold Partner ★★★★★

- Mid-level annual financial contribution
- Brand visibility in key programs, activities, and social media

Silver Partner ★★

- Entry-level contribution
- Logo featured on selected materials, invitations, and specific events

Clinical Evidence Partnership ★

Building robust scientific evidence is essential for positioning health products and technologies in an increasingly evidence-driven market. Through the Clinical Evidence Partnership, sponsors gain direct access to the DAO Institute's scientific infrastructure, clinical expertise, and research network to generate high-value data that strengthen credibility, differentiation, and market adoption

Clinical Evidence Partnership

- **Tailored Clinical Study Design**

The DAO Institute collaborates with partners to develop customized clinical protocols aligned with specific product claims, innovation goals, or regulatory strategies.

- **End-to-End Research Execution**

From ethics committee approval to patient recruitment, data analysis, and publication, our team manages every stage of the research process under rigorous scientific and clinical standards.

- **Proprietary and Actionable Data**

Sponsors benefit from high-quality data generated by independent experts, enabling strong evidence-based positioning, enhanced product credibility, and support for marketing, regulatory, and commercial strategies.

- **Publication and Scientific Visibility**

Studies can be published in peer-reviewed journals and presented at international conferences, boosting the scientific profile of both the sponsor and the DAO Institute.



- **Exclusivity Options**

Sponsors may request temporary exclusivity over the results, providing a strategic advantage in competitive markets.

- **Access to Expert Networks**

Projects are reinforced by the DAO Institute's global community of clinicians, KOLs, researchers, and patient organizations, enhancing adoption and real-world impact.

Strategic Value for Sponsors

Financial contributions vary depending on the partnership tier and specific initiatives. A tailored proposal will be provided upon request.



Strengthen product claims with **rigorous, independent scientific evidence**



Differentiate your brand in a competitive health and wellness market



Increase trust among prescribers, health professionals, and consumers



Support regulatory submissions and formulation improvements



Accelerate market penetration through validated results and expert endorsement on and real-world impact.

How to Become a Partner

Clear Steps to Formalize Your Partnership

Organizations interested in partnering with the DAO Deficiency Institute can initiate the process by selecting the preferred sponsorship tier or targeted initiative. Our team will then prepare a tailored partnership agreement outlining the scope, benefi



Your Contact Person



For inquiries, detailed proposals, or to begin the partnership process, please contact:

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Join us in advancing science, improving patient outcomes, and shaping the future of public health.

**Become part of the change
in the way DAO Deficiency is
understood, diagnosed, and
addressed.**