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## Beneficial Effects of Therapeutic Nutrition—New Insights from Advanced Cell Systems

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Deadline for manuscript  
submissions:

**closed (23 July 2023)**

### Message from the Guest Editor

Dear Colleagues,

Advanced cell systems including organoids and organs-on-chips have shown the ability to recapitulate the function and physiology of organ systems, including the intestine. Accordingly, development of these models provides new opportunities to study the physiological responses of organ systems during health, disease and development. In addition, such advanced cell systems have been successfully employed to test pharmaceutical interventions. Within this context, organoids and organ-on-chip models are increasingly used to test, among others, the uptake, transport and metabolism of nutritional components and to study their role in the prevention and maintenance of intestinal health. This Special Issue welcomes original laboratory works, clinical studies, drug trials, case studies and (systematic) reviews focusing on advanced cellular systems in the context of nutritional research. Potential topics include, but are not limited to, the following:

Cell systems, nutritional interventions and intestinal barrier loss, malabsorption, immune responses, responses of the intestinal epithelium and the influence of pathogenic stimuli.

Dr. Tim Wolfs  
*Guest Editor*



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