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***Research activities :***

The basic feature of the scientific work of Jozef Šimúth is his contribution to the development of **molecular biology**, gene engineering, biotechnology of nutritional proteins, molecular apidology with a focus on the functional genomics of nutrition and physiologically active proteins and antibiotic peptides, especially those having a bee-based origin.

He is considered the founder of systematic research of **royal jelly proteins** at genomic, proteomic and physiological levels. He found that major protein royal jelly had the ability to self-assembly on various regular structures that honeybee use on the procesing of nectar to honey.

The knowledge about the immunostimulatory properties of bee proteins present in honey, royal jelly, bee pollen opens a new stage in the research of the therapeutic effects of honeybee products and their exact definition as **biofarmaceuticals**.

Detailed CV is published in Šimúth Jozef Oxford Encykl 2016