



CURRICULUM VITAE

First name: Constantin

Last name: Crăciun

Date and place of birth: 15.09.1937, Pîrșcoveni, Romanați county

Citizenship: Romanian

Marital status: Married (2 children: a boy, PhD in Biology ULB, Bruxelles; a girl, dental technician in Timisoara.).

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Education:

- 1954, Theoretical Highschool, Corabia;
- 1957, Topography Technical School, Bucharest;
- 1966, Faculty of Biology, BBU Cluj-Napoca;

Scientific title and position: PhD in Biology, Dhc mult, Senior Investigator, Emeritus University Professor, Honorary Member of Romanian Academy of Medical Sciences

Position held in present: Babes-Bolyai University: Emeritus Professor, Director of Electron Microscopy Center, a self-financing research unit; currently teaching at the doctoral school „Integrative Biology”, as an associate professor. Honorary member of Romanian Academy of Medical Sciences.

Previous positions held:

- 1957 – 1961, topographer, Cadastral Office of Crisana region;
- 1961- 1966, student at School of Biology, BBU Cluj
- 1966 -1978, scientific researcher at Biological Research Center in Cluj-Napoca;
- 1970, 1971, organizer and head of Electron Microscopy Laboratory at School of Biology, BBU Cluj-Napoca;
- 1978 – 2000, head of Electron Microscopy Laboratory and of Experimental Biology research team at School of Biology, BBU Cluj-Napoca;
- 1992 – 2003, professor and PhD supervisor, teaching at two master programs and at the doctoral school;
- 2000 – 2007, Executive of the Center of Cellular and Molecular Biology, recognized by CNCISIS with certificate no. 81/CC-C/2001.

- 2000 - prezent, Executive of Electron Microscopy Center, at School of Biology and Geology; this center was organized by a BCUM project (Multi-User Research Base), CNCSIS – World Bank, won in 2000, with a funding of 530.000 USD.

- Between 1992-2001 I worked as an associate professor at Schools of Medicine and of Biology of Oradea University, teaching Histology (1992-2002) and Cellular and Molecular Biology (1993 - 1997), as well as Electron Microscopy, a course I founded at School of Biology.

- Between 1998-2002 I worked as an associate professor at Schools of Medicine and of Biology of “Vasile Goldis” Western University in Arad, teaching Histology.

- **After retirement** (2003) and in present I work as executive of Electron Microscopy Center at Babes-Bolyai University in Cluj-Napoca, teaching at two master programs (till 2011), „Cellular Biotransformations” and „Advanced techniques in microscopy”, as an associate professor and at the doctoral school „Integrative biology”(prezent). I carry out research in projects of the Center, being responsible of certain research grants and contracts, one of which with the County Clinical Hospital Cluj.

- **Expertize: Histology – Cellular and Molecular Biology:** study of cellular synthesis and secretion processes, elucidation of intracellular mechanisms of action of certain reagents, bioactive substances and drugs, evolution and role of cellular organelles involved in these processes, in both normal, pathological and experimental conditions, in laboratory animals and in humans.

Other references:

- PhD supervisor in the field of Biology, specialization Cellular Biology, at Babeş-Bolyai University (1990-prezent); I have conducted 18 doctoral theses, of which 15 already defended (one doctoral student from abroad, with PhD student fee). Referent in 18 doctoral commissions in the country and 1 in Germany.

- I was expert evaluator at CNCSIS (National Council of Scientific Research for Higher Education), ANSTI (National Agency for Science, Technology and Innovation), Romanian Academy, CEEEX (Excellence Research Program), National Program II (PN II), and registered in the National Register of Experts of the Ministry of Education and Research.

- As vicepresident of RSBC (Romanian Society of Cell Biology), I organized the establishment of subsidiaries of RSBC in Oradea (1996), Arad (1997), Baia Mare and Satu Mare (2001, 2002), Zalău (2003), Braşov (2004) and Sibiu (2005).

- Since 2007 I am President of RSCB, Cluj subsidiary.

- I organized establishments of Histology, Cellular Biology and Electron Microscopy laboratories at Schools of Medicine of Oradea and Arad universities, and of an Electron Microscopy laboratory at Western University in Timişoara.

- Co-editor of the journal „Annals of the Romanian Society for Cell Biology”, from 2002 - prezent (CNCSIS accredited in 2008 in B+ category and listed in 4 international databases).

- Editor-in-chief of the journal „Current problems and techniques in cellular and molecular biology”, 1996 – 2001 (later „Annals of the Romania Society for Cell Biology” since 2002);

- Member of the editorial board and reviewer of CNCSIS accredited scientific journals: Revista Medicala Oradeana, 1994-2004; Studia Universitatis, Stiintele Vietii, Arad, 2004 – prezent. Studia Univ. Babes-Bolyai, Biologia (scientific reviewer);

- **Member of scientific societies, associations (academies)**

- **international**

European Cell Biology Organization, 1995 – prezent

European Microscopy Society, 1998 - prezent
International Association for Plant Tissue Culture, 1997 - prezent
International Association for Ecology (INTECOL), 1998 - prezent
Japanese Society of Plant Physiology, 1998.
Malpighi Academy for the Study of Microscopic Anatomy (Rome), 1999.

- national

Societatea Română de Microscopie Electronică (Romanian Society for Electron Microscopy), founding member and vice president, 1982 – prezent

Societatea Romana de Biologie Celulară (Romanian Society for Cell Biology), 1982, – prezent, since 2000 vice president and since 16.02.07 president of R.S.C.B. Cluj-Napoca subsidiary

Asociația Oamenilor de Știință din România (Association of Romanian Scientists), 1986
Asociația Română de Culturi de Țesuturi și Celule Vegetale (Romanian Association for Plant Tissue and Cell Culture), 1994 – prezent.

Societatea Ornitologică Română (Romanian Ornithological Society), 1997 – prezent.

Fundația Guvernamentală pentru Știință (Government Foundation for Science) (FORS),

The scientific research activity carried out between 1969 and 2013, resulted in:

- **519 *in extenso* scientific papers, of which 221 papers indexed in ISI Web of Knowledge-Thomson Reuters with a Hirsch Index of 9. 124 papers are indexed in the International Data Bases (BDI) Scopus and Biosis Thompson Reuters; 48 papers were published *in extenso* in proceedings of international conferences and 126, in other accredited inland journals, all in the field of Cell Biology.**
- **25 books and monographs, of which 4 in abroad publishing houses, 2 ISI-indexed**
- **Participation with papers at prominent international congresses in the field of Cellular Biology, 1971-prezent.**
- **9 patents, of which 4 ISI-indexed; (3 for the treatment of cancers).**
- **25 edited scientific volumes**

Scientific grants and contracts

- 17 research grants won by competition (as executive) and 13 grants as partner (responsible), valuing 1.975.560 ron and 530.000 USD (1 grant BCUM).

- 143 research contracts (as executive and principal investigator) valuing :

- for 1971 – 1991 = 6.972.382 lei

- for 1992 – 1995 = 21.990.000 lei

- for 2000 – 2004 = 285.944.925 lei

- for 2005 – 2011 = 1.380.560.000 lei (138.056 ron)

- for 2012 – 2013 = 263.233 ron

- **60% of the funding was used for endowment with equipments of BBU Electron Microscopy Center**

- Main original scientific contributions

- ultrastructural demonstration of biomembrane regeneration in the hepatocyte intoxicated and afterwards treated with bioactive substances;

- highlighting, for the first time, of insulin and glucagon producing cells in the gut of certain moluscs, with possibilities of extraction and therapeutical use;

- discovery of substances having cytostatic properties; this research was completed with 3 patents concerning the treatment of cancers;
- description of a novel cellular structure named ERACOSOME, with function in storing a secretion product during hibernation in certain animals;
- description, for the first time, of the effects at subcellular level, from normal to lethal phase, of hypo- and hypersalinity, and their temperature dependence;
- description, ultrastructural characterization and role of nucleolar corpuscle (Nucleolar Associated Body- NAB) in cellular synthesis processes;
- research concerning the elucidation of cellular and subcellular mechanisms by which secondary effects of cytostatics are produced, in liver, kidney, brain, heart, thymus and spleen;
- demonstration of the risk of nitrozamine formation in the stomach, by utilisation of pyrimidon and oxytetracycline, of hepatic cirrhosis development and triggering of carcinogenic processes;
- highlighting of the secondary effects induced at cellular and subcellular level by ointments containing glucocorticoids (fluocinolone, locoide and dermovate);
- elucidation of the intracellular processes taking place in muscles and nerves during ischemia and after revascularisation;
- description, for the first time, of the intracellular actions of toxins from bacteria *Helicobacter pylori* and *Helicobacter felis*;
- identification and description for the first time of certain ultrastructural elements in the porosomes from exocrine pancreas, for the elucidation of cellular secretory mechanisms.
- Doctoral thesis: Microscopic and submicroscopic structure of the male genital tract in *Porcellio scaber Latr. (Isopoda)*, in ontogeny and seasonal cycle. University of Cluj-Napoca. Faculty of Biology-Geography and Geology, 1986, 232 pp. and Anex with 660 microphotographs.

Awards and distinctions

- 2001. Award of Romanian Academy, „Traian Savulescu”
- 2003. Award of the National Society for Cell Biology, „Nicolae and Maya Simionescu”, for meritorious research in cellular and molecular biology and pathology
- 1979. 1st Prize at the Show Room of Inventions and Innovations – Cluj 79, for the inventions „Drugs for cancer therapy”
- Dr. Honoris Causa of the „Vasile Goldis” Western University, Arad (2003)
- Dr. Honoris Causa of the „Iuliu Hatieganu” Medicine and Pharmacy University, Cluj-Napoca (2008)
- „Honorary Professor”, title granted by „Iuliu Hatieganu” Medicine and Pharmacy University (2008)
- Representativity Award granted by „Babes-Bolyai” University (2008)
- Diploma of Excellence granted by „Babes-Bolyai” University (2010)
- Professor Emeritus of „Babes-Bolyai” University (2012)
- Honorary member of Romanian Academy of Medical Sciences (2013)

2.12.2013, Cluj-Napoca

Constantin Crăciun, PhD
- Professor Emeritus -
Babes-Bolyai University, Cluj-Napoca
Executive of Electron Microscopy Center

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