


## PERSONAL INFORMATION

## USCATU, Constantin Daniel



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 [daniel\\_uscatu@yahoo.com](mailto:daniel_uscatu@yahoo.com)

Sex Male | Date of birth 27/05/1987 | Nationality Romanian

## WORK EXPERIENCE

01/2013 – 04/2017

## Pathology resident physician

Emergency Clinical County Hospital , Craiova

Tabaci Street, No. 1, 200642, Craiova, Dolj, (Romania)  
<http://www.scjuc.ro>

Tissue sampling.  
Examination and diagnostic of tissue samples.  
Performing autopsies

Business or sector Human health

10/2013 – 12/2016

## PhD Student Cellular and Molecular Biology Departament

Human Genomics Laboratory, UMF Craiova  
1 Mai Avenue, Nr. 66, RO-200638, Craiova, Dolj, (Romania)  
<http://www.umfcv.ro/lgu>

Research activities in cellular and molecular biology  
Teaching

Business or sector Research

1/2015 – 04/2015

## PhD Visiting Student at Department of Pharmacology, University of Oxford

Department of Pharmacology  
Mansfield Road  
Oxford OX1 3QT  
<http://www.pharm.ox.ac.uk>

Research activities in Niemann–Pick type C disease (cell culture, animal trials)

Business or sector Research

10/2015 – 11/2015

## PhD Visiting Student at National Institutes of Health, Bethesda, USA

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Public Information and Communications Branch

31 Center Drive

Building 31, Room 2A32, MSC 2425

Bethesda, MD 20892-2425

Research activities in colorectal cancer (PhD research project: Autophagy in colorectal cancer)  
Research activities in Niemann–Pick type C disease (human trials)

Business or sector Research

EDUCATION AND TRAINING

01/10/2006 – 30/09/2012

Medical Doctor

EQF level 6

University of Medicine and Pharmacy of Craiova, Dolj  
General Medicine

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

English  
Russian

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C1
A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Team spirit acquired through work
- Excellent communicational skills gained through work and leisure activities
- responsibility, enthusiastic person, conflict management; negotiations gained through studies and my work experience

Organisational / managerial skills

- leadership (currently responsible for several students groups ); sense of organization; team management; prospective thinking, problem identification, problem solving, research and development project evaluation, planning skills.

Job-related skills

- Excellent optical microscopy skills gained by work, seminar and voluntary activities
- Histology and immunohistochemistry techniques gained by training and work
- Techniques of separation and collection of cells based on laser microdissection gained by work
- Technology 2100 Bioanalyzer Agilent gained by training
- FISH and CISH techniques gained by training
- Cellular and Molecular techniques, gained by work and voluntary activities, like:
  - Extraction of DNA and RNA;
  - Basic qPCR, applications and possibilities of the technology;
  - Quality assessment qPCR;
  - Design and execution of RT-PCR experiments;
  - SNP and mutation analyses using RT-PCR
  - Reverse transcription for RT-PCR
  - Execution of RT-PCR experiments and analysis of RT-PCR data
  - Programming qPCR and RT-PCR instruments
  - Data analysis using RT-PCR software
  - Reverse transcription for qPCR data using different priming methods
  - Gene expression experiments
  - Electrophoresis

Computer skills

- good command of Microsoft Office (Word, Excel, PowerPoint) gained by work and leisure activities
- good command of AnalySIS pro gained by work

Driving licence

Category B

## ADDITIONAL INFORMATION



## Bibliography

- Nicolî, ER., Dumitrescu, T., **Uscatu, CD.**, Popescu, FD., Streașă, I., Șerban Șoșoi, S., Ivanov, P., Dumitrescu, A., Bărbălan, A., Lungulescu, D., Petrescu, F., Schenker, M., Verdeș, D., Săftoiu, A. (2014). *Determination of autophagy gene ATG16L1 polymorphism in human colorectal cancer*. Rom J Morphol Embryol, 55(1) - <http://www.rjme.ro/RJME/resources/files/550114057062.pdf>.
- Oana Mirea, M.S. Șerbănescu, Anca Ancușă, **D. Uscatu**, Cătălina Zdrancotă, R.M. Pleșea, I.E. Pleșea (2014). *Analysis of aortic size in subjects died due to cardiovascular events: a necropsy study*. Rom J Morphol Embryol, 55(4) - <http://www.rjme.ro/RJME/resources/files/55131411051109.pdf>.
- **Uscatu, CD.**, Nicolî, ER., Dumitrescu, T., Streașă, I., Șoșoi Șerban, S., Cucu, M., Bărbălan, A., Munteanu, I., Dobrescu, A, Mixich, F. (2014). *Autophagy and colorectal cancer: Review*. Current Health Science Journal, in press.
- Ancușă Anca, Mirea Oana, Șerbănescu M.S., Zdrancotă Cătălina, **Uscatu D.**, Alexandru D., Pleșea R.M., Pleșea I.E. *Left ventricle remodeling in subjects deceased due to a cardiovascular event: an autopsy study*. Current Health Science Journal, in press.
- Irina F. Cherciu, Ioana Streată, Elena-Raluca Nicolî, Elena Tatiana Cartana, Adriana M. Ciocalteu, **Daniel Uscatu**, Alexandru Barbalan, Valeriu Surlin, Mihai I. Ioana, Adrian Saftoiu. *Tu1961 Evaluation of Colorectal Cancer Stem Cells Expression Using Confocal Laser Endomicroscopy and Molecular Biology Techniques*. Gastroenterology 148(4):S-946 · April 2015. [http://www.gastrojournal.org/article/S0016-5085\(15\)33228-5/pdf](http://www.gastrojournal.org/article/S0016-5085(15)33228-5/pdf).
- Ionela Cristina Deliu, PAULINA CIUREA, Daniela Neagoe, Maria Cristina Bezna, IOANA GHEONEA, **C.D. Uscatu**, T. Dumitrescu, T. Ciurea (2015). *Evaluation of Angiogenesis in Colorectal Cancer*. Current Health Science Journal 41(2) - <http://www.chsjournal.org/issues/volume-41-issue-2-2015/evaluation-of-angiogenesis-in-colorectal-cancer>.
- Elena Tatiana Cartana, Ioana Streată, Elena-Raluca Nicolî, **Daniel Uscatu**, Adriana M. Ciocalteu, Irina F. Cherciu, Dan Ionut Gheonea, Claudia-Valentina Georgescu, Mihai I. Ioana, Gabriel Gruionu, Adrian Saftoiu. *857 Evaluation of Tumour Angiogenesis in Colorectal Cancer Based on Quantitative Contrast-Enhanced Endoscopic Ultrasonography and Molecular Analysis*. Gastrointestinal Endoscopy, Volume 81, No. 5S : 2015 . [http://www.giejournal.org/article/S0016-5107\(15\)02176-8/pdf](http://www.giejournal.org/article/S0016-5107(15)02176-8/pdf)
- T. Dumitrescu, **C.D. Uscatu, C.D.**, Alexandru, C. Meșină, S.Ș. Mogoantă, Ileana Dincă, E. Moraru, Alexandra Dumitrescu, D.I. Gheonea, Raluca Elena Nicolî, I. Vasile . *Correlations Between Intratumoral Microvessel Density and Histopathological Type or Neoadjuvant Radiotherapy for Rectal Carcinoma*. Current Health Science Journal 41(2) - <http://www.chsjournal.org/issues/volume-41-issue-2-2015/correlations-between-intratumoral-microvessel-density-and-histopathological-type-or-neoadjuvant-radiotherapy-for-rectal-carcinoma>
- **C.D. Uscatu**, T. Dumitrescu, Ionela Cristina Deliu, Alexandra Dumitrescu, M. Schenker, F. Mixich (2015). *Autophagy and Neovascularization in Colorectal Cancer*. Current Health Science Journal 41(3) - <http://www.chsjournal.org/issues/volume-41-issue-3-2015/autophagy-and-neovascularization-in-colorectal-cancer>
- Dumitrescu T.V., **Uscatu C.D.**, Mogoantă S.Ș., Alexandru D.O., Dumitrescu A., Schenker M., Meșină C., Nicolî E.R., Gheonea D.I., Vasile M., Pleșea I.E. *Preliminary study of correlations between the intratumoral microvessel density and the morphological profile of colorectal carcinoma*. Rom J Morphol Embryol. 2015;56(2 Suppl):679-89. - <http://www.rjme.ro/RJME/resources/files/561215679689.pdf>
- Burada F., Nicolî E.R., Ciurea M.E., **Uscatu C.D.**, Ioana M., Gheonea D.I. *Autophagy in colorectal cancer: An important switch from physiology to pathology*. World J Gastrointest Oncol. 2015 Nov 15;7(11):271-84. doi: 10.4251/wjgo.v7.i11.271. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4644850/>
- Nicolî E.R., Al Eisa N., Cluzeau C.V., Wassif C.A., Gray J., Burkert K.R., Smith D.A., Morris L., Cologna S.M., Peer C.J., Sissung T.M., **Uscatu C.D.**, Figg W.D., Pavan W.J., Vite C.H., Porter F.D., Platt F.M. *Defective Cytochrome P450-Catalysed Drug Metabolism in Niemann-Pick Type C Disease*. PLoS One. 2016 Mar 28;11(3):e0152007. doi: 10.1371/journal.pone.0152007. eCollection 2016. - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4809520/>
- **Uscatu C.D.**, Mixich F., Dumitrescu T.V., Nicolî E.R., Deliu I.C., Man G.M., Pleșea I.E. *The influence of irradiation on autophagy process in normal and malignant colorectal epithelia*. Rom J Morphol Embryol. 2016;57(1):227-32. - <http://www.rjme.ro/RJME/resources/files/570116227232.pdf>
- Ionela Cristina Deliu, Carmen-Daniela Neagoe, Marinela Bezna, Amelia-Valentina Genunche-Dumitrescu, Sebastian Constantin Toma, Bogdan Silviu Ungureanu, **Constantin Daniel Uscatu**, Maria Cristina Bezna, Cristian Virgil Lungulescu, Vlad Padureanu, Dan Ionut Gheonea, Tudorel Ciurea, Maria Fortofoiu, *Correlations between endothelial cell markers CD31, CD34 and CD105 in colorectal carcinoma*, Rom J Morphol Embryol 2016, 57(3):1025–1030 - <http://www.rjme.ro/RJME/resources/files/57031610251030.pdf>

## Seminars

- Organiser of the 10<sup>th</sup> edition of the “European School of Pathology Course” , Craiova, Romania (September 2014)
- Organiser of the 9<sup>th</sup> edition of the “European School of Pathology Course” , Craiova, Romania (April 2014)

## Honours and awards

- Graduation Certificate “Molecular Histopathology of the archived tissue”, National Institute of Research and Development in Pathology and Biomedical Science Field “Victor Babes”, Bucuresti, Romania (2013)
- Graduation Certificate “Doctor Patient and the Value of Whole Person Care” PRIME, Craiova, Romania (2006)

## Memberships

- Member of European Society of Pathology
- Member of Romanian Society of Cell Biology (SRBC)
- Member of Romanian Society of Human Genetics (SRGM)
- Member IAP ( Romanian Society of Pathologists)

