

## INFORMAȚII PERSONALE

## TATU CALIN ADRIAN

📍 Str. Oglinzilor 5, Sc. A Ap.1, Timisoara, 300708, Romania

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Sexul Masculin | Data nașterii 29/11/1970 | Naționalitatea Romana

LOCUL DE MUNCA PENTRU  
CARE SE CANDIDEAZĂ  
POZIȚIA  
LOCUL DE MUNCĂ DORIT  
STUDIILE PENTRU CARE SE  
CANDIDEAZĂ

EXPERIENȚA PROFESIONALĂ

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- 06/2010-06/2012 **Cercetator asociat**  
US Geological Survey, 12201 Sunrise Valley Dr., Reston, VA 20192, SUA, [www.usgs.gov](http://www.usgs.gov)  
▪ recoltare, prelucrare, analiza probe de mediu
- 01/2007-prezent Cercetare in domeniul poluarii si a medicinei ambientale  
**Conferentiar Disciplina de Biologie, UMF Timisoara**  
Universitatea de Medicina si Farmacie Victor Babes Timisoara, Disciplina de Medicina  
Mediului/Biologie  
P-ta Eftimie Murgu nr. 2, Timisoara, Romania, [www.umft.ro](http://www.umft.ro)  
▪ implicare in proiecte de cercetare si activitate didactica academica
- 03/2001-12/2006 Cercetare in domeniul biomedical si activitate didactica  
**Sef lucrari Disciplina de Imunologie, UMF Timisoara**  
Universitatea de Medicina si Farmacie Victor Babes Timisoara, Disciplina de Biologie  
P-ta Eftimie Murgu nr. 2, Timisoara, Romania, [www.umft.ro](http://www.umft.ro)  
▪ implicare in proiecte de cercetare si activitate didactica academica
- 01/2017-prezent Cercetare in domeniul biomedical si activitate didactica  
**Medic primar laborator Clinic**  
Centrul Oncogen Timisoara, Blvd. Liviu Rebreanu 156, [www.oncogen.ro](http://www.oncogen.ro)
- 01/2005-2016 **Medic specialist laborator clinic**  
Centrul de Imunofiziologie si Biotehnologii Timisoara (centru CNCISIS)  
Bd. Iosif Bulbuca Nr. 10, Timisoara, Romania, [www.umft.ro](http://www.umft.ro)  
▪ recoltare, prelucrare, analiza probe biologice
- 02/1999-03/2001 Cercetare biomedicala  
**Asistent cercetare**  
Institutul de Sanatate Publica Timisoara  
Bd. Dr. Victor Babes nr.16-18, Timisoara, Romania  
▪ recoltare, prelucrare, analiza probe de mediu si probe biologice
- 01/1997-01/1999 Cercetare in domeniul poluarii si a medicinei ambientale  
**Cercetator postdoctoral**  
University of North Carolina – Chapel Hill, Department of Microbiology and Immunology, Chapel Hill,  
NC, SUA, [www.unc.edu](http://www.unc.edu)  
▪ implicare in proiecte de cercetare de imunologie: biologie moleculara, dezvoltarea de modele  
animale, citometrie in flux, histochimie, microscopie optica  
Cercetare in domeniul imunogeneticii

## EDUCAȚIE ȘI FORMARE

1990-1996

### Medic Medicina Generala

Universitatea de Medicina si Farmacie Victor Babes Timisoara,  
P-ta Eftimie Murgu nr. 2, Timisoara, Romania, [www.umft.ro](http://www.umft.ro)

- curricula facultatii de medicina generala umana

2000-2004

### Medic specialist Laborator Clinic

Universitatea de Medicina si Farmacie Victor Babes Timisoara,  
P-ta Eftimie Murgu nr. 2, Timisoara, Romania, [www.umft.ro](http://www.umft.ro); Spitalul Clinic Judetean de Urgenta  
Timisoara, Romania

- specializare laborator clinic -diagnostic

2001-2004

### Doctor în Stiinte Medicale

#### specializare: Medicina Interna

Universitatea de Medicina si Farmacie Victor Babes Timisoara,  
P-ta Eftimie Murgu nr. 2, Timisoara, Romania, [www.umft.ro](http://www.umft.ro)

- Etiologia nefropatiei endemice balcanice

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	B2	C1	C1	C1	C1
TOEFL					

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat  
Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

- bune competențe de comunicare dobândite prin experiența proprie în laboratoare din SUA

COMPETENTE PERSONALE

**Competențe  
organizaționale/manageriale**

- leadership (în prezent, sunt responsabil de o echipă de 10 persoane)
- coordonator sau responsabil proiecte de cercetare
- consilier pentru Europa de Est (2003-2008) al IMGGA (International Medical Geology Association)

**Competențe dobândite la locul de  
muncă**

- abilitati tehnice; mentenanta echipamente analitice de laborator si de microscopie
- capacitate de adaptare la medii variate sociale si culturale, obtinuta prin stagiile de pregatire in strainatate si prin colaborarile în proiecte internationale
- o buna capacitate de comunicare, obtinuta ca urmare a stagiilor de pregatire in diverse laboratoare
- experienta în domeniul managementului de proiect, obtinuta în urma coordonarii de proiecte cu finantare nationala si internationala
- experienta în organizarea de evenimente stiintifice nationale si internationale
- experienta în domeniul managementului echipei, obtinuta în context profesional

**Competențe informatice**

- o bună cunoaștere a instrumentelor Microsoft Office™
- cunoastere a diverse instrumente de procesare imagine
- cunoastere a unor instrumente de chimie computationala

**Alte competențe**

- fotografie

**Permis de conducere**

- B

**INFORMATII SUPLIMENTARE**

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Publicații  
Prezentări  
Proiecte  
Conferințe  
Seminarii  
Distinctii  
Afiliere  
Referințe

**PRINCIPALELE ARTICOLE PUBLICATE IN REVISTE COTATE ISI/BAZE DE DATE**

1. Gruia AT, Oprean C, Ivan A, Cean A, Cristea M, Draghia L, Damiescu R, Pavlovic NM, Paunescu V, **Tatu CA**. (2017) Balkan endemic nephropathy and aristolochic acid I: an investigation into the role of soil and soil organic matter contamination, as a potential natural exposure pathway. [Environ Geochem Health](#). 2017 Dec 29. doi: 10.1007/s10653-017-0065-9. [Epub ahead of print].
2. Oprean C, Ivan A, Bojin F, Cristea M, Soica C, Drăghia L, Caunii A, Paunescu V, **Tatu C**. (2018) Selective in vitro anti-melanoma activity of ursolic and oleanolic acids. [Toxicol Mech Methods](#). 2018 Feb;28(2):148-156. doi: 10.1080/15376516.2017.1373881. Epub 2017 Sep 29.
3. Orem WH, **Tatu CA**, Varonka M, Lerch HE, Bates AL, Engle M, Crosby LM, McIntosh J (2014) Organic substances in produced and formation water from unconventional natural gas extraction in coal and shale. *Int J Coal Geol, Volume 126, 1 June 2014, Pages 20-31*.
4. Paunescu V, Bojin FM, Gavriluc OI, Taculescu EA, Ianos R, Ordodi VL, Iman VF, **Tatu CA**. (2014) Enucleation: a possible mechanism of cancer cell death. *J Cell Mol Med*. 2014 Mar 14. doi: 10.1111/jcmm.12271. [Epub ahead of print].
5. Maharaj SV, Orem WH, **Tatu CA**, Lerch HE 3rd, Szilagyi DN. (2013) Organic compounds in water extracts of coal: links to Balkan endemic nephropathy. *Environ Geochem Health*. 2013 Mar 21. [Epub ahead of print].
6. Pavlović NM, Maksimović V, Maksimović JD, Orem WH, **Tatu CA**, Lerch HE, Bunnell JE, Kostić EN, Szilagyi DN, Paunescu V. (2013) Possible health impacts of naturally occurring uptake of aristolochic acids by maize and cucumber roots: links to the etiology of endemic (Balkan) nephropathy. *Environ Geochem Health*. Apr;35(2):215-26.
7. Paunescu V, Bojin FM, **Tatu CA**, Gavriluc OI, Rosca A, Gruia AT, Tanasie G, Bunu C, Crisnic D, Gherghiceanu M, Tatu FR, Tatu CS, Vermesan S. Tumour-associated fibroblasts and mesenchymal stem cells: more similarities than differences. *J Cell Mol Med*. Mar;15(3):635-46.
8. Haider R, Ghauri MA, SanFilipo JR, Jones EJ, Orem WH, **Tatu CA**, Akhtar K, Akhtar N (2013) Fungal degradation of coal as a pretreatment for methane production. *Fuel*, 104: 717-725.
9. Pavlovic NM, Orem WH, **Tatu CA**, Lerch HE, Bunnell JE, Feder GL, Kostic EN, Ordodi VL. (2008) The role of lecithin cholesterol acyltransferase and organic substances from coal in the etiology of Balkan endemic nephropathy: a new hypothesis. *Food Chem Toxicol*. 46(3):949-54.
10. Ordodi VL, Paunescu V, Ionac M, Sandesc D, Mic AA, **Tatu CA**, Mic FA. (2008) Artificial Device for Extracorporeal Blood Oxygenation in Rats, *Artif Organs*, 32(1):66-70 (5) (factor impact: 1,903).
11. Paunescu V, Deak E, Herman D, Siska IR, Tanasie G, Bunu C, Anghel S, **Tatu CA**, Oprea TI, Henschler R, Rüster B, Bistriar R, Seifried E. (2007) In vitro Differentiation of Human Mesenchymal Stem Cells to Epithelial Lineage, *J Cell Mol Med*. 11(3):502-508 (factor impact: 6,555).
12. Orem WH, **Tatu CA**, Lerch HE, Rice CA, Bartos TT, Bates AL, Tewalt S, Corum MD. (2007) Organic compounds in produced waters from coalbed natural gas wells in the Powder River Basin, Wyoming, USA. *Applied Geochem*, 22(10):2240-2256.
13. Hadaruga NG, Hadaruga DI, Paunescu V, **Tatu CA**, Ordodi VL, Bandur G and Lupea AX. (2006) Thermal stability of the linoleic acid/ $\alpha$ - and  $\beta$ -cyclodextrin complexes. *Food Chemistry* 99(3): 500-508 (factor impact: 2,433)
14. Orem WH, **Tatu CA**, Lerch III HE, Maharaj SVM, Pavlovic N, Paunescu V, Dumitrascu V. (2004) Identification and Environmental Significance of the Organic Compounds in Water Supplies associated with a Balkan Endemic Nephropathy Region in Romania. *J. Environ. Health Res*. 3(2): 53-61 (factor impact: 0,403)
15. Paunescu V, Suci E, **Tatu C**, Plesa A, Herman D, Siska IR, Suci C, Crisnic D, Nistor D, Tanasie G, Bunu C, Raica M. (2003) Endothelial cells from hematopoietic stem cells are functionally different from those of human umbilical vein, *J Cell Mol Med*, 7(4):455-60 (factor impact: 1,694)
16. Orem WH, **Tatu CA**, Feder GL, Finkelman RB, Lerch HE, Maharaj S, Szilagyi D, Dumitrascu V, Paunescu V, Margineanu F. (2002) Environment, geochemistry, and the etiology of Balkan Endemic Nephropathy: lessons from Romania, *Facta Universitatis, Medicine and Biology* 9, 39-46
17. Finkelman RB, Orem WH, Castranova V, **Tatu CA**, Belkin HE, Zheng B, Lerch HE, Maharaj SV, Bates AL. (2002) Health impacts of coal and coal use: possible solutions. *International Journal of Coal Geology*, 50(1-4): 425-443.

Publicații  
 Prezentări  
 Proiecte  
 Conferințe  
 Seminarii  
 Distincții  
 Afilieri  
 Referințe

18. Feder GL, **Tatu CA**, Orem WH, Paunescu V, Dumitrascu V, Szilagyi D, Finkelman RB, Margineanu F and Schneider F. (2002) Weathered coal deposits and Balkan Endemic Nephropathy. *Facta Universitatis, Medicine and Biology*, 9:34-38.
19. **Tatu CA**, Clarke SH. (2000) Selective maturation of VH12 B cells in the spleen enriches for anti-phosphatidyl choline B cells: evidence for receptor editing. *Curr Top Microbiol Immunol*, 252:77-86.
20. Arnold LW, McCray SK, **Tatu CA**, Clarke SH. (2000) Identification of a precursor to phosphatidyl choline-specific B-1 cells suggesting that B-1 cells differentiate from splenic conventional B cells in vivo: cyclosporin A blocks differentiation to B-1. *J. Immunol.*, 164: 2924-2930.
21. **Tatu CA**, Orem WH, Feder GL, Finkelman RB, Szilagyi DN, Dumitrascu V, Margineanu F, and Paunescu V. (2000) Additional support for the role of the Pliocene lignite derived organic compounds in the etiology of Balkan endemic nephropathy. *J. Med. Biochem*. 4:95-101
22. **Tatu CA**, Orem WH, Feder GL, Paunescu V, Dumitrascu V, Szilagyi DN, Finkelman RB, Margineanu F, Schneider F. (2000) Balkan endemic nephropathy etiology: a link to the geological environment. *Central European Journal of Occupational and Environmental Medicine* 6:138-150
23. **Tatu CA**, Ye J, Arnold LW, Clarke SH. (1999) Selection at multiple checkpoints focuses V(H)12 B cell differentiation toward a single B-1 cell specificity. *J Exp Med.*, 190: 903-914.
24. **Tatu CA**, Orem WH, Finkelman RB, Feder GL. (1998) The etiology of Balkan endemic nephropathy: still more questions than answers. *Environ. Health Perspect.* 106:689-700.
25. **Tatu CA**, Drugarin D, Paunescu V, Stanescu DI, Schneider F. (1998) Balkan endemic nephropathy, the haematopoietic system and the environmental connection, *Food Chem Toxicol.* 36(3):245-7 (factor impact: 1,416)
26. **Tatu CA**, Paunescu V, Stanescu DI, Schneider F. (1997) P-glycoprotein mediated multidrug resistance assessment by flow-cytometry in malignant hemopathies, *Anticancer Res.* 17(4A):2583-6 (7 citari)
27. Drugarin D, **Tatu C**, Noveanu L, Paunescu V. (1996) Identification of a novel subset of T lymphocytes in patients with Balkanic Nephropathy. *Autoimmunity* 23:119-126
28. **Tatu CA**, Drugarin D, Stanescu DI, Paunescu V. (1993) DNA topology and V(D)J recombination: a tentative connection, *Roum Arch Microbiol Immunol.* 52(4):255-60

#### CARTI REPREZENTATIVE

1. **Tatu CA**, Paunescu V. et al. (2003) Organic compounds derived from Pliocene lignite and the etiology of Balkan endemic nephropathy. In Skinner C and Berger A, eds. *Geology and Health: Closing the Gap*, Oxford University Press, New York, NY, USA.
2. Paunescu V, **Tatu CA**, Stanescu DI, Medrea D, *Imunologie: concepte fundamentale si aplicative*, Helicon, Timisoara, Romania, 1996 ISBN: 973-574-182-2.
3. Paunescu V, Holmberg JC, **Tatu CA** et al., *Immunology: course for students*, Orizonturi Universitare, Timisoara, Romania, 1999, ISBN: 973-9400-25-6.
4. **Tatu CA** (1998) Apoptosis: a molecular approach. In *Actual Aspects of Molecular Biology and Physiology* (Simon Z. and Schneider F, eds.), Romanian Medical Life Publishing House, Bucharest, Romania.

#### DISTINCTII

- Premiul Universitatii "Vasile Goldis" Arad pentru activitatea în domeniul transplantului de maduva osoasa (2001)

#### ANEXE

Adăugați o listă a documentelor anexate CV-ului. Exemple:

- copii ale diplomelor și certificatelor de calificare;
- recomandări de la locul de muncă;
- publicații sau cercetări.