

# Curriculum Vitae Europass



## Informatii personale

Nume/ Prenume **CALENIC BOGDAN**  
Adresă(e) 27-33, Schitu Magureanu, Bucuresti, Romania  
Telefon(oane) 0755044047  
E-mail(uri) bcalenic@yahoo.co.uk  
Naționalitate(-tăți) Romana  
Data nașterii 28.05.1980  
Sex M

## Experiența profesională

Perioada	
<b>2014-prezent</b>	
Functia sau postul ocupat	Sef Lucrari, Disciplina Biochimie
Activitati si responsabilitati principale	Activitate didactica si de cercetare
Numele si adresa angajatorului	UMF Carol Davila, Bucuresti, Blvd. Eroii Sanitari numarul 8
Tipul activității sau sectorul de activitate	Activitate didactica- biochimie si cercetare in domeniul medical
<b>2011-2014</b>	
Functia sau postul ocupat	Asistent Universitar
Activitati si responsabilitati principale	Activitate didactica si de cercetare
Numele si adresa angajatorului	UMF Carol Davila, Bucuresti, Blvd. Eroii Sanitari numarul 8
Tipul activității sau sectorul de activitate	Activitate didactica- biochimie si cercetare in domeniul medical
<b>2007-2011</b>	
Functia sau postul ocupat	Doctorand
Activitati si responsabilitati principale	Activitate stiintifica si didactica
Numele si adresa angajatorului	Nippon Dental University School of Life Dentistry at Tokyo, Department of Oral Health, Tokyo 102-8159, Japan Tel: +81-3-3261-8311
Tipul activității sau sectorul de activitate	Cercetare in domeniul medical

## Educație și formare

<b>Perioada</b>	<b>2007-2011</b>
Calificarea / diploma obținută	Doctor in Stiinte Medicale
Disciplinele principale studiate / competențe profesionale dobândite	Titlul tezei: 'Apoptoza in tesuturile parodontale'
Numele și tipul instituției de învățământ / furnizorului de formare	Nippon Dental University School of Life Dentistry at Tokyo, Japonia
<b>Perioada</b>	<b>1999-2005</b>
Calificarea / diploma obținută	Medic Dentist
Disciplinele principale studiate / competențe profesionale dobândite	Medicina Dentara
Numele și tipul instituției de învățământ / furnizorului de formare	Facultatea de Medicina Dentara, UMF Carol Davila, Bucuresti
<b>Perioada</b>	<b>1996-1999</b>
Calificarea / diploma obținută	Diploma Bacalaureat
Disciplinele principale studiate / competențe profesionale dobândite	Matematica-Fizica
Numele și tipul instituției de învățământ / furnizorului de formare	Colegiul 'Spiru C. Haret', Tulcea

## Aptitudini și competențe personale

Limba(i) maternă(e)  
Autoevaluare  
Nivel european (\*)

Romana	<b>Înțelegere</b>				<b>Vorbire</b>				<b>Sciere</b>	
	Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
<b>Engleza</b>	C2	ACADEMIC	C2	ACADEMIC	C2	ACADEMIC	C2	ACADEMIC	C2	ACADEMIC
<b>Franceza</b>	B1	ELEMENTAR	B1	ELEMENTAR	B1	ELEMENTAR	B1	ELEMENTAR	B1	ELEMENTAR
<b>Japoneza</b>	B1	ELEMENTAR	B1	ELEMENTAR	B1	ELEMENTAR	B1	ELEMENTAR	B1	ELEMENTAR

(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și aptitudini organizatorice	<p>- Iniințarea ( 2012) și managementul activității de cercetare în cadrul laboratorului de culturi in vitro din cadrul Catedrei de Biochimie, UMF Carol Davila</p> <p>- Management in publishing - Asistent-Editor la Revista Romana de Medicina Dentara, Uniunea Nationala a Asociatiilor Stomatologice, Bucuresti</p>
Competențe și aptitudini tehnice	<p>- Experienta acumulata in: Tehnici uzuale de culturi celulare; Tehnici de imunohistochimie; Microscopie confocala; Microscopie atomica de forta</p> <p>- Expert evaluator in cadrul programelor Parteneriate ale UEFISCDI</p>
Informații despre premii sau alte elemente de recunoaștere a contribuțiilor științifice ale candidatului	<p>- <b>H-Index = 14 Numar citari 372</b> Thomson Reuters Web of Science</p> <p><b>Premii/distincții internaționale:</b></p> <ol style="list-style-type: none"> <li>1. Travel award 2014 International Association for Dental Research, Continental Division, Dubrovnick</li> <li>2. Travel award 2012 International Association for Dental Research, Continental Division, Helsinki</li> <li>3. Hatton Award (Finalist) 2010, 88<sup>th</sup> Annual meeting of IADR - Selectat de Japanese Association for Dental Research</li> </ol> <p><b>Premii/distincții naționale</b></p> <ol style="list-style-type: none"> <li>1. American chemical society "Best oral presentation" award 2014, 2<sup>nd</sup> international Conference on Analytical Chemistry, Targoviste</li> <li>2. Premiul "Eugen mody" 2013 Romanian Association of Medical Laboratories, Brasov</li> </ol>
Informații despre proiectele de cercetare dezvoltare ca director de proiect/membru	<p><b>Grant/proiect național – director/responsabil</b></p> <ol style="list-style-type: none"> <li>1. Titlu: Tissue engineered oral mucosa developed from keratinocyte cells using specific substrate topographies Pozitie: <b>Director Proiect</b> Perioada: 2011-2013 Institutia: – UEFISCDI Romania Suma totala: 70000 EUR</li> <li>2. Titlu: Wnt/Notch/Hedghog molecular signaling pathways of oral keratinocyte stem cells in oral squamous cell carcinoma Pozitie: <b>Director Proiect</b> Perioada: 2012-2013 Institutia: University of Medicine and Pharmacy Carol Davila, Bucharest, Romania Suma totala: 5000 EUR</li> <li>3. Titlu: Index Predictiv pentru folosirea Keratinocitelor Stem Orale in Ingineria Tisulara ; Perioada: 2015-2017; Institutia finantatoare– UEFISCDI Romania - Executive Unit for Financing Education Higher Research Development and Innovation; Suma: 125000 EUR</li> <li>4. Titlu: Polymeric nanoparticle synthesis targeted for oral epithelial stem cells Perioada: 2015-2016; Institutia finantatoare: Fulbright Senior Grant - Fulbright Commission USA - Romania; Suma: 10000 EUR</li> </ol> <p><b>Grant/proiect național – membru în echipa de cercetare</b></p> <ol style="list-style-type: none"> <li>1. Titlu: Implementarea tehnologiilor proteomice pentru descoperirea de noi biomarkeri in cancer Pozitie: <b>Membru</b> Perioada: 2010-2013 Funding institution: ANCS Romania – National Authority for Scientific Research</li> </ol>

Suma totala: 4.881.600 RON Director Proiect: Professor Stefan Constantinescu MD, PhD (Ludwig Institute for Cancer Research Ltd, Brussels , Belgium)

2. Titlu: Microsenzorii stocastici ca noi instrumente de masurare a substantelor de importanta biologica Pozitie: **Membru** Perioada: 2011-2014 Funding institution: UEFISCDI Romania – Executive Unit for Financing Education Higher Research Development and Innovation ( Ideas Competition) Suma totala:- Director Proiect: Professor Iustina van Staden ( PATLAB, Laboratorul de Tehnologie Analitica de proces, Institutul National de Cercetare-Dezvoltare pentru Electrochimie si Materie Condensata, Bucuresti)

3. Titlu: Detectie si inhibare de cancer la nivel molecular; Bilateral Program: Romania – Moldova Pozitie: **Membru** Perioada: 2010-2012 Funding institution: ANCS, Romania– National Authority for Scientific Research Suma totala - Director Proiect: Professor Iustina van Staden ( PATLAB, Laboratorul de Tehnologie Analitica de proces, Institutul National de Cercetare-Dezvoltare pentru Electrochimie si Materie Condensata, Bucuresti)

#### **Grant/proiect internațional – membru în echipa de cercetare**

1. Titlu: Study for the developing process of the general condition caused by Periodontitis: effects of volatile sulfur compounds on stem cells Pozitie: **Membru** Perioada: 2008-2011 Funding institution: The Japanese Ministry of Education, Culture, Sports, Science and Technology Suma totala: 200.100 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan

2. Titlu: Study on the induction of apoptosis of Periodontal cells by volatile sulfur compounds and its pathological activities Pozitie: **Membru** Perioada: 2005-2009 Funding institution: The Japanese Ministry of Education, Culture, Sports, Science and Technology Suma totala: 182.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan

3. Titlu: Study on health promotion for developing the habits to visit a dentist regularly for PTC Pozitie: **Membru** Perioada: 2007 Funding institution: The Japanese Ministry of Education, Culture, Sports, Science and Technology Suma totala: 49.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan

4. Titlu: The process of inducing osteoclast by VSC Pozitie: **Membru** Perioada: 2007-2012 Funding institution: The Japanese Ministry of Education, Culture, Sports, Science and Technology Suma totala: 46.000 USD Director Proiect: Toshio Imai, Associate Professor, Department of Oral Health, Nippon Dental University, Tokyo, Japan

5. Titlu: Stem cell research for regenerative medicine using dental tissues Pozitie: **Membru** Perioada: 2009 Funding institution: Nippon Dental University Fund Suma totala: 58.650 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan

6. Titlu: Health promotion study for children Pozitie: **Membru** Perioada: 2009 Funding institution: The Japan International Cooperation Agency Suma totala: 12.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan
7. Titlu: Developing of regenerative gingiva including bone from stem cells Pozitie: **Membru** Perioada: 2010-2013 Funding institution: The Japanese Ministry of Education, Culture, Sports, Science and Technology Suma totala: 341.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan
8. Titlu: Stem cell research for regenerative medicine using dental tissues Pozitie: **Membru** Perioada: 2009 Funding institution: Nippon Dental University Fund Suma totala: 65.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan
9. Titlu: Development of socially universal regenerative medicine with using human dental pulp Pozitie: **Membru** Perioada: 2011-2015 Funding institution: The Japanese Ministry of Education, Culture, Sports, Science and Technology Suma totala: 233.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan
10. Titlu: New generation of regenerative medicine started by Nippon Dental University: clinical applications of oral stem cells Pozitie: **Membru** Perioada: 2009 Funding institution: Nippon Dental University Fund Suma totala: 49.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan
11. Titlu: Scientific research project for long life of elderies: study for promoting oral functions and health administration Pozitie: **Membru** Perioada: 2011 Funding institution: Japanese Ministry of Health, Labor and Welfare Suma totala: 134.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan
12. Titlu: Education research of eating habits for children's health promotion: exploring studies for assisting both mentors and children Pozitie: **Membru** Perioada: 2011-2015 Funding institution: The Japanese Ministry of Education, Culture, Sports, Science and Technology Suma totala: 134.000 USD Director Proiect: Ken Yaegaki, Professor and Head, Department of Oral Health, Nippon Dental University, Tokyo, Japan

## LISTA LUCRARI

Web of Science Thomson Reuters: **H-Index: 14/Total Citations Number: 370**

Miricescu D, Stanescu I, Perlea P, Calenic B, Radulescu R, Totan A, Virgolici B, Sabliov C, Greabu M Salivary diagnosis: clinical uses in assessing oral inflammation, *Revista de Chimie*, Accepted 2017, IF- 0.9

Miricescu D, Stanescu I, Calenic B (corresponding author), Radulescu R, Sabliov C, Greabu M Oxidative stress following PLGA nanoparticles administration to an animal model, *Materiale Plastice*, Accepted 2017, IF-

Rusu D, Stratul SI, Festila D, Surlin P, Kasaj A, Baderca F, Boariu M, Jentsch H, Locovei C, Calenic B. Histology and surface ultrastructure during early healing after gingival augmentation with a three-dimensional collagen matrix: A report of six cases. *Quintessence Int.* 2016 Nov 7:1-11. doi: 10.3290/j.qi.a37016. IF - 0.8

Voiculescu, V., Calenic B (corresponding author), Ghita, M., Lupu, M., Caruntu, A., Moraru, L., ... & Caruntu, C. (2016). From Normal Skin to Squamous Cell Carcinoma: A Quest for Novel Biomarkers. *Disease Markers*, Accepted August 2016, IF - 2,1

Lupu, M., Caruntu, C., Ghita, M.A., Voiculescu, V., Voiculescu, S., Rosca, A.E., Caruntu, A., Moraru, L., Popa, I.M., Calenic, B. and Greabu, M., 2016. Gene Expression and Proteome Analysis as Sources of Biomarkers in Basal Cell Carcinoma. *Disease Markers*, Accepted August 2016, IF - 2,1 ( main author - all authors equal contributions)

Sumit L, Calenic B, Astete C, Kumar C, Sabliov C Investigation on hemolytic effect of poly (lactic co-glycolic) acid nanoparticles synthesized using continuous flow and batch processes, *Nanotechnology Reviews*, Accepted August 2016, IF - 2.04

Darian Rusu, Calenic B (corresponding author), Maria Greabu, Alexander Krlev, Marius Boariu, Florina Bojin, Simona Anghel, Virgil Paunescu, Octavia Vela, Horia Calniceanu, Stefan-Ioan Stratul, Evaluation of oral keratinocyte progenitor and T-lymphocyte cells response during early healing after augmentation of keratinized gingiva with a 3D collagen matrix - a pilot study, *BMC Oral Health*, Accepted April 2016, IF - 1,12

Calenic B, Maria Greabu, Constantin Caruntu, Mihnea Ioan Nicolescu, Liliana Moraru, Carmen Cristina Surdu-Bob, Marius Badulescu, Alexandru Anghel, Constantin Logofatu, Daniel Boda, Oral keratinocyte stem cells behavior on diamond like carbon films, *Romanian Biotechnological Letters*, Accepted January 2016, IF - 0,31

Greabu M, Totan A, Miricescu D, Radulescu R, Virlan J, Calenic B (corresponding author). Hydrogen Sulfide, Oxidative Stress and Periodontal Diseases: A Concise Review. *Antioxidants (Basel)*. 2016 Jan 14;5(1). pii: E3. doi: 10.3390/antiox5010003 ( Not ISI)

Virlan MJ, Miricescu D, Radulescu R, Sabliov C, Totan A, Calenic B (corresponding author), Greabu M Organic Nanomaterials and Their Applications in the Treatment of Oral Diseases, Molecules, accepted January 2016, Impact factor - 2.41

Gugasa LA, van Staden RIS, Dima A, Visan CA, Streinu-Cercel A, Biris A, Calenic B, Fast screening of biological fluids for cytokines and adipokines using stochastic sensing, Microelectronic Engineering, Accepted August 2015, Impact factor - 1.19

Calenic B, Miricescu D, Greabu M, Kuznetsov A, Troppmair J, Ruzsanyi V and Amann A Oxidative stress and volatile organic compounds: interplay in pulmonary, cardio-vascular, digestive tract systems and cancer; Open Chemistry (former) Central European Journal of Chemistry, Accepted March 2015, Impact Factor - 1.329

Virlan MJ, Greabu M, Miricescu D, Tanase C, Sabliov C, Caruntu C and Calenic B (corresponding author) Current uses of poly(lactic-co-glycolic acid) (PLGA) in the dental field: a comprehensive review, Journal of Chemistry, Accepted February 2015, Impact factor - 0.77

Tanase C, Albulescu R, Codrici E, Calenic B, Popescu ID, Mihai S, Necula L, Cruceru ML and Hinescu ME Decreased expression of APAF-1 and increased expression of Cathepsin B in invasive pituitary adenoma, OncoTargets and Therapy, October 2014, Impact Factor - 1.37

Paun I, Calenic B, et al. Laser micro-patterning of biodegradable polymer blends for tissue engineering, Journal of Materials Science, Accepted September 2014, Impact Factor - 2.305

Ruzsanyi V, Lederer W, Seger C, Calenic B, Liedl KR, Amann A, Non-CO<sub>2</sub> targeted breath tests: a feasibility study, Journal of Breath Research, accepted August 2014, Impact Factor - 2.571

van Staden RI, Gugoasa L, Calenic B, Legler J Multimode sensors as new tools for molecular recognition of testosterone, dihydrotestosterone and estradiol in children's saliva, Journal of Molecular Recognition, Accepted June 2014 - Impact factor 3.006

van Staden RI, Gugoasa L, Calenic B, Legler J Pattern recognition of estradiol, testosterone and dihydrotestosterone in children's saliva samples using stochastic microsensors, Scientific Reports, Accepted June 2014 - Impact factor 5.078

van Staden RI, Gugoasa L, Calenic B, van Staden JF, Legler J, Screening of children saliva samples for bisphenol A using stochastic, amperometric and multimode microsensors, Analytical Chemistry Research, Accepted June 2014

Gugoasa L, van Staden RI, van Staden JF, Calenic B, Legler J New platforms for fast assessment of levels of testosterone, dihydrotestosterone and estradiol in children's saliva Analytical Letters, Accepted October 2014, Impact factor - 0.982

Calenic B, Caruntu C, Greabu M, Battino M Oral Keratinocyte Stem/Progenitor Cells: Specific Markers, Molecular Signaling Pathways and Potential Uses, *Periodontology* 2000, Accepted 2014, DOI: 10.1111/prd.12097, Impact factor - 3.632

Caruntu C, Boda D, Musat S, Caruntu A, Poenaru E, Calenic B, Savulescu I, Dragia A, Rotaru M, Badarau AI Stress effects on cutaneous nociceptive nerve fibres and their neurons of origin in rats, *Romanian Biotechnological Letters*, Accepted 2014, Impact factor 0.219

Calenic B, Filipiak W, Greabu M, Amann A Volatile Organic Compounds Expression in Different Cell Types: An In Vitro Approach, *International Journal of Clinical Toxicology*, 2013, 1, 27-30

Calenic B, Paun IA, van Staden RI, Didilescu A, Petre A, Dinescu M, Greabu M. Novel method for proliferation of oral keratinocyte stem-like cells, *Journal of Periodontal Research*, Accepted 2013 - Impact factor 1.99

Calenic B, Amann A. Detection of volatile malodorous compounds in breath: current analytical techniques and implications in human disease, *Bioanalysis*, 2014 ;6(3):357-76  
Impact factor 3.253

Tanase CP, Enciu AM, Mihai S, Neagu Ai, Calenic B, Cruceru LM, Anti-cancer therapies in high grade gliomas, *Current Proteomics*, 2013, DOI: 10.2174/15701646 11310030007 Impact factor 0.83

Tanase CP, Neagu AI, Necula LG, Mambet C, Enciu AM, Calenic B, Cruceru ML, Albulescu R, Cancer stem cells: involvement in pancreatic cancer pathogenesis and cancer therapeutics perspectives, *World Journal of Gastroenterology*, Accepted 2013 ( IF- 2.547)

Miricescu D, Totan A, Calenic B (corresponding author), Mocanu B, Didilescu A, Mohora M, Spinu T, Greabu M Salivary biomarkers: Relationship between oxidative stress and alveolar bone loss in chronic periodontitis *Acta Odontol Scand.* accepted April 2013 - Impact factor - 1.066

Paun, I.A., Mihailescu, M., Calenic B, Luculescu, C.R., Greabu, M., Dinescu, M. MAPLE deposition of 3D micropatterned polymeric substrates for cell culture *Applied Surface Science* accepted 2013 - Impact factor - 2.103

Calenic B, Okamura K, Yaegaki K, Tovar S, Tanaka T, Imai T Role of the p53-mediated apoptotic pathway in oral lichen planus: relationship among pro- apoptotic, anti-apoptotic and keratinocyte markers *Journal of Oral and Maxillofacial Surgery, Medicine and Pathology*, Accepted May 2013

Calenic B, Yaegaki K, Ishkitiev N, Kumazawa Y, Imai T , Tanaka T. p53-pathway activity and apoptosis in hydrogen sulfide-exposed stem cells separated from human gingival epithelium *J Periodontal Res.* Accepted 2012 Aug 21 - Impact factor 1.686



Aoyama I, Yaegaki K, Calenic B, Ii H, Ishkitiev N, Imai T. The role of p53 in an apoptotic process caused by an oral malodorous compound in periodontal tissues: a review. *J Breath Res.* 2012 Mar;6(1):017104 - Impact factor – 2.541

Aoyama I, Calenic B, Imai T, Hisataka I, Yaegaki K, Oral malodorous compound causes caspase-8 and -9 mediated programmed cell death in osteoblasts. *J Periodontal Res.* 2012 Mar;6(1):017104 – Impact factor 1.686

Ishkitiev N, Calenic B, Aoyama I, Ii H, Yaegaki K, Imai T. Hydrogen sulfide increases hepatic differentiation in tooth-pulp stem cells. *J Breath Res.* 2012 Mar;6(1):017103 – Impact factor – 2.541

Yaegaki K, Brunette DM, Tangerman A, Choe YS, Winkel EG, Ito S, Kitano T, Ii H, Calenic B, Ishkitiev N, Imai T. Standardization of clinical protocols in oral malodor research. *J Breath Res.* 2012 Mar;6(1):017101 - Impact factor – 2.541

Kobayashi C, Yaegaki K, Calenic B, Ishkitiev N, Imai T, Kobayashi H, Izumi Y, Haapasalo M, Hydrogen sulfide causes apoptosis in human pulp stem cells, *Journal of Endodontics* 2011 – Impact factor – 2.880

Calenic B, Ishkitiev N, Yaegaki K, Imai T, Characterization of oral keratinocyte stem cells and prospects of their differentiation to oral epithelial equivalents, *Romanian Journal of Morphology and Embriology* 2010 – Impact factor - 0.523

Calenic B, Yaegaki K, Traykova A, Imai T, Oral malodorous compound causes oxidative stress and p53 mediated programmed cell death in keratinocyte stem cells, *Journal of Periodontology* 2010 – Impact factor - 2.602

Hirata T, Ishkitiev N, Yaegaki K, Calenic B, Ishikawa H, Nakahara T, Mitev V, Tanaka T, Haapasalo M, Expression of multiple stem cell markers in dental pulp cells cultured in serum-free media, *Journal of Endodontics* 2010 – Impact factor – 2.880

Calenic B, Ishkitiev N, Yaegaki K, Imai T, Kumazawa Y, Nasu M, Hirata T, Magnetic separation and characterization of keratinocyte stem cells from human gingiva, *Journal of Periodontal Research* 2010 - Impact factor 1.686

Ishkitiev N; Yaegaki K; Calenic B; Nakahara T; Ishikawa H; Mitev V; Haapasalo M. Deciduous and Permanent Dental Pulp Mesenchymal Cells Acquire Hepatic Morphological and Functional Features in vitro. *Journal of Endodontics* 2009 - Impact factor – 2.880

Fujimura M, Calenic B, Yaegaki K, Murata T, Ii H, Imai T, Sato T and Izumi Y. Oral malodorous compound activates mitochondrial pathway inducing apoptosis in human gingival fibroblasts. *Clinical Oral Investigations* 2009 – Impact factor - 2.364

Calenic B, Yaegaki K, Murata T, Imai T, Aoyama I, Sato T, Ii H. Oral malodorous compound triggers mitochondrial-dependent apoptosis and causes genomic DNA damage in human gingival epithelial cells. *Journal of Periodontal Research* 2009

Murata T, Yaegaki K, Qian W, Herai M, Calenic B, Imai T, Sato T, Tanaka T, Kamoda T, Ii H, Hydrogen sulfide induces apoptosis in epithelial cells derived from human gingiva. *Journal of Breath Research* 2008 - Impact factor – 2.541