

CURRICULUM VITAE

NAME: Ildikó Zsuzsanna SZEVERÉNYI

BORN: November 26, 1957 at Balotaszállás, Hungary

CITIZENSHIP: Hungarian

Married, 2 children

CONTACT INFORMATION

8315 Gyenesdiás

Faludi utca 22.

Hungary

ildiko.szeverenyi@gmail.com

EDUCATION

1972-76 Katona József High School, Kecskemét, Hungary

1976-81 József Attila University (today Szeged University), Szeged, Hungary

1981 University Diploma (Biology), Szeged No. 92/1981.

1997 Doctoral Degree (Genetics), Szeged No. 50/dr.univ/1997.

CURRENT POSITION

2021 Senior Postdoc,
Hungarian University of Agriculture and Life Sciences,
Georgikon Campus, Keszthely, Hungary

PAST EMPLOYMENT HISTORY

2020-2021 Szent István University, Georgikon Campus, Keszthely, Hungary
Senior Postdoc

2019-2020 University of Pannonia Georgikon Faculty, Keszthely, Hungary

2009-2018 Institute of Medical Biology, A*STAR, Singapore
Senior Research Scientist

2008-2009 Institute of Medical Biology, A*STAR, Singapore
Research Scientist

2006-2008 Institute of Medical Biology, A*STAR, Singapore
Senior Research Fellow

2002-2004 Temasek Life Sciences Laboratory, NUS, Singapore
Research Fellow

1999-2002 Institute of Molecular Agrobiolgy, NUS, Singapore
Research Fellow

1989-1999 Agricultural Biotechnology Center, Gödöllő
Research Associate, then Postdoctoral Fellow

1988-1989 National Institute of health, Bethesda, MD, USA
Volunteer, then Research Associate

1985-1986 József Attila University, Szeged, Hungary
Research Associate

1982-1985 Petőfi Sándor Elementary School, Szeged, Hungary
Teacher

1982-1982 EGYT Pharmaceutical Company, Budapest, Hungary
Researcher

1981-1981 MTA, JATE, Szeged
Research Associate

AWARDS

1980/81 Student Fellowship of the Hungarian People's Republic

2015 Inspiring Research Mentor Award, NUH High School of Math & Science,
Singapore

RESEARCH IDs

ORCID Number	0000-0002-4005-1836
WEB of Science	AAA-9581-2021
PUBLONS	4160322
MTMT	10072155

PUBLICATION METRICS (based on Web of Science & Publons)

Cummulative Impact Factor:	122
Number of total citations :	917
Number of independent citations :	826
Articles in Web of Science:	24
H-index:	10
Average citation/article:	30.3
Average citation/year:	29.1

Publications >14 citations within first two years:

Plant J. 2004	23 citations (shared first author)
Hum Mut. 2008	20 citations (first author)
Nat Gen. 2011	18 citations (co-author)
J. Inv. Derm. 2011	14 citations (co-author)
Cell 2016	23 citations (co-author)

Journal categories based on MTMT database:

Category D1	10 publications
Category Q1	4 publications

PUBLICATIONS IN PEER-REVIEWED JOURNALS

- King, C, Fowler JC, Abnizova I, Sood RK, Hall MWJ, **Szeverényi I**, Tham M, Huang J, Young SM, Hall BA, Lane EB, Jones PH. *Somatic mutations in facial skin from countries of contrasting skin cancer risk. Nature Genetics, in press (2023)* NG-LE61339R1
- Orbán L, Bognár A, Havasi M, **Szeverényi I**, Varga L. *Nagyléptékű omikai eljárások alkalmazása a modern haltenyésztésben. Állattenyésztés és Takarmányozás (2020)* 69 (3), 317.
- Koh R*, **Szeverényi I***, Lee B, Denil SLIJ, John Lim SY, Benny PA, Grasset N, Tan BK, Lane EB. *Oxygen-mediated control of the keratinocyte proliferation-differentiation axis. J Invest Dermatol (2019)* Jul 5. pii: S0022-202X(19)31852-4. doi: 10.1016/j.jid.2019.05.030. [IF 6.5; *joint first authors]
- Badowski C, Adelene YL, Verma C, **Szeverényi I**, Natesavalar C, Terron-Kwiatkowski A, Harper J, O'Toole EA, Lane EB. *Modeling the structure of keratin 1 and 10 Terminal Domains and their Misassembly in Keratoderma. J Invest Derm (2017)* May 16. [IF 6.5]
- Feldmeyer L, **Szeverényi I**, Mandallaz M, Lane EB, Hohl D. *Late-Onset Multiple Self-Healing Squamous Epithelioma Ferguson-Smith Recurrence Induced by Radiotherapy. Case Rep Dermatol (2016)* 8(3):344-349. [IF 0.3]
- Zhong FL, Mamaï O, Sborgi L, Boussofara L, Hopkins R, Robinson K, **Szeverényi I**, Takeichi T, Balaji R, Lau A, Tye H, Roy K, Bonnard C, Ahl PJ, Jones LA, Baker P, Lacina L, Otsuka A, Fournie PR, Malecaze F, Lane EB, Akiyama M, Kabashima K, Connolly JE, Masters SL, Soler VJ, Omar SS, McGrath JA, Nedelcu R, Gribaa M, Denguezli M, Saad A, Hiller S, Reversade B. *Germline NLRP1 Mutations Cause Skin Inflammatory and Cancer Susceptibility Syndromes via Inflammasome Activation. Cell (2016)* 167(1): 187-202.e17 [IF 29.0]
- Tan TS, Ng YZ, Badowski C, Dang T, Common JE, Lacina L, **Szeverényi I**, Lane EB. Assays to study consequences of cytoplasmic intermediate filament mutations: The case of epidermal keratins. *Methods Enzymol. (2016)* 568: 219-53 [IF 1.7]

- Atkinson, SD, McGilligan VE, Liao H, **Szeverényi I**, Smith FJ, Moore CB, McLean WH. Development of allele-specific therapeutic siRNA for keratin 5 mutations in epidermolysis bullosa simplex. *J Invest Dermatol* (2011) 131: 10079-86. [IF: 7.22]
- Goudie, DR, D'Alessandro M, Merriman B, Lee H, **Szeverényi I**, Avery S, O'Connor BD, Nelson SF, Coats SE, Stewart A, Christie L, Pichert G, Friedel J, Hayes I, Burrows N, Whittaker S, Gerdes AM, Broesby-Olsen S, Ferguson-Smith MA, Verma C, Lunny DP, Reversade B, Lane EB. Multiple self-healing squamous epithelioma is caused by a disease-specific spectrum of mutations in TGFBR1. *Nature Genetics* (2011) 43(4): 365-9. [IF: 29.35]
- Chen H, Toh TK, **Szeverényi I**, Ong RT, Theng CT, McLean WH, Seielstad M, Lane EB. Association of skin barrier genes within the PSORS4 locus is enriched in Singaporean Chinese with early-onset psoriasis. *J Invest Dermatol.* (2009) 129(3): 606-14. [IF: 7.22]
- Szeverényi I**, Cassidy AJ, Chung CW, Lee BT, Common JE, Ogg SC, Chen H, Sim SY, Goh WL, Ng KW, Simpson JA, Chee LL, Eng GH, Li B, Lunny DP, Chuon D, Venkatesh A, Khoo KH, McLean WH, Lim YP, Lane EB. The Human Intermediate Filament Database: comprehensive information on a gene family involved in many human diseases. *Human Mutation* (2008) 29(3): 351-60. [IF: 5.34]
- Szeverényi I**, Ramamoorthy R, Teo ZW, Luan HF, Ma ZG, Ramachandran S. Large-scale systematic study on stability of the *Ds* element and timing of transposition in rice. *Plant Cell Physiol.* (2006); 47(1): 84-95. [IF: 4.93]
- Kolesnik T*, **Szeverényi I***, Bachmann D, Kumar CS, Jiang S, Ramamoorthy R, Cai M, Ma ZG, Sundaresan V, Ramachandran S. Establishing an efficient *Ac/Ds* tagging system in rice: large-scale analysis of *Ds* flanking sequences. *Plant J.* (2004) 37(2): 301-14. (* joint first authors) [IF: 5.97]
- Szeverényi I**, Nagy Z, Farkas T, Olasz F, Kiss J. Detection and analysis of transpositionally active head-to-tail dimers in three additional *Escherichia coli* IS elements. *Microbiology* (2003) 149(5): 1297-310. [IF: 0.64]
- Szeverényi I**, Hodel WA, Olasz F. Vector for IS element entrapment and functional characterization based on turning on expression of distal promoterless genes. *Gene* (1996) 174: 103-110. [IF: 2.14]
- Szeverényi I**, Bodoky T, Olasz F. Isolation, characterization and transposition of an (IS2)2 intermediate. *Mol. Gen. Genet.* (1996) 251: 281-289. [IF: 2.73]
- Tóth,I, I **Szeverényi**. The effect of 2, 4-d and dikonirt on the cell-membrane structure of rice root. *Botanikai közlemények* (1982) 68:187-194.

OTHER PUBLICATIONS: (Published conference abstracts)

Lane, EB, J Common, C Badowski, T Tan, I **Szeverényi**, G Sundaram, P Sampath. Visualising keratinocyte stress to understand rare diseases and wound healing. *Pigment Cell Melanoma Res* (2013) 26 (3) 443-444. (conf abstract)

YZ Ng, L Lacina, DP Lunny, PB Benny, AM Gerdes, S Broesby-Olsen, L. Martin, L. Parmentier, C. Ebzery, A. Goodwin, D. Hohl, I **Szeverényi**, E Birgitte Lane *Cytological and transcriptomic analysis reveals new features of multiple self-healing squamous epithelioma (MSSE)*. *J Dermatol Sci* (2016) 84 (1), e48 [IF 3.7]

Koh, R, I **Szeverényi**, P Benny, P Nguyen, EB Lane. *The effect of oxygen on keratinocyte differentiation*. *J Invest Dermatol* (2016) 136 (9), S178 (conf abstract)

Szeverényi, I, T Buhl, T Zhang, L Lacina, H Chen, Y Ng, D Lunny, A Gerdes, S Broesby-Olsen, L Martin, L Palmantier, A Goodwin, B Reversade, EB Lane. *Nonclassical multiple self-healing squamous epithelioma*. *British J Dermatol* (2016) 174 (5) (conf. abstract)

Huang, J, L Lacina, J Stork, I **Szeverényi**, D Lunny, A Gerdes, D Goudie, S. Broesby-Olsen, L Martin, L Parmentier, D Hohl, E Lane. *Histological features of skin tumours in Ferguson-Smith disease (multiple self-healing squamous epitheliomata)*. *British J Dermatol* (2016) 174 (5) (conf. abstract)

Badowski, C, A Sim, C Verma, I **Szeverényi**, T Dang, Y Ng, C Natesavelalar, P Benny, A Terron-Kwiatkowski, J Harper, E O'Toole, E Lane. *A new model for the structure of the head domains of keratins K1 and K10 and its implications for striate palmoplantar keratoderma*. *British J Dermatol* (2016) 174 (5) (conf. abstract)

Szeverényi I., GH Eng, DP Lunny, B Lane. Epigenetic profiling of human keratinocytes. *J Invest Dermatol* (2009) 129: S50 (conf. abstract)

INTERNATIONAL CONFERENCES (last 10 years)

Posters

2008	Oxford	Gordon Conference
2009	Budapest	European Society for Dermatological Research
2010	Singapore	Keystone Meeting
2011	Singapore	Frontiers in Cancer Science
2012	Singapore	Frontiers in Cancer Science
2014	Boston	Gordon Conference
2014	Osaka	Ann. Meeting of Japanese Society for Investigative Dermatology
2016	Dundee	British Society for Investigative Dermatology
2016	Singapore	Frontiers in Cancer Science

Oral presentations

2016	Singapore International Conference on Skin Research	<i>Beyond TGFBR1: Searching for a second gene(s) involved in self-regressing skin cancer</i>
2017	Singapore, Australia-Singapore Partnership in Skin Cancer Biology	<i>TGFBR1 in Self-Healing Skin Cancer (MSSE)</i>

RESEARCH GRANTS

2016 A*STAR-NHG-NTU Skin Research Grant (S\$ 225K)

Identifying novel genetic and molecular markers to differentiate keratoacanthoma squamous cell carcinoma

DIPLOMA/B.Sc./M.Sc./Ph.D. & OTHER PROJECTS SUPERVISED

Postgraduate students mentored to date:

2006-2007	John A. Simpson (Ph.D.)	<i>University of Dundee</i>	The function and regulation of epidermal keratins
2010-2011	Kao Chin Ng (pre-Ph.D.)	<i>University of Oxford</i>	Developing of phospho-specific antibody to investigate keratin 14 Ser44 phosphorylation
2011-2011	Teresa Ho (pre-Ph.D.)	<i>University of Oxford</i>	Transfection of primary fibroblasts and keratinocytes with TGFBR1 mutant plasmids and Ab screening
2011-2013	Yi Zhen Ng (Ph.D.)	<i>University of Dundee</i>	The role of dermal fibroblasts in inherited skin cancers
2011-2014	Rosita KOH Mei Ling (Ph.D.)	<i>National University of Singapore</i>	Effects of the tissue culture environment on human primary keratinocytes
2013-2016	Vivien WOO Sin Tung (Ph.D.)	<i>National University of Singapore</i>	Keratin 14 phosphorylation during mitosis and stress
2019-2019	Gulyás Dániel (BSc)	<i>University of Pannonia, Georgikon Faculty</i>	Analysis of cannibalism on catfishes
2019-	Bognár András (Ph.D.)	<i>Szent István University, Georgikon Campus</i>	Chemical-free treatment of infectious diseases of fishes
2020-	Gyöngyösi Anett (Ph.D.)	<i>Szent István University, Georgikon Campus</i>	Analysis of the effects of environmental factors on the immune system of the zebrafish model
2021.	Pethő Cintia (BSc, Mezőgazdasági mérnök)	MATE	
2021.	Szabó Olivér Máté (MSc, Agrármérnök osztatlan szak)	MATE	

Undergraduate/Polytech/High school students mentored and trained to date:

Over 40 students from Hungary (ELTE, SZIE), Singapore, (NUS), UK (Bristol University, University of Cambridge, University College London, University of Dundee, University of Oxford, King's College London, Imperial College London), Australia (University of Queensland) and US (University of Texas).

