



**CURRICULUM VITAE OF LUCA MENDLER MD PHD**

**Full name:** Luca Mendler MD PhD  
**Citizenship:** Hungarian  
**Date and place of birth:** 14 February, 1973, Baja, Hungary  
**Present address- office:** Muscle Adaptation Group, Institute of Biochemistry (Head: Prof. László Dux), Faculty of General Medicine, University of Szeged, Dóm tér 9, H-6720 Szeged, Hungary; Tel.: +36 62 545 096; Fax: +36 62 545 097  
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**Education, qualifications:**

December 2000 PhD degree (score: excellent "summa cum laude")  
Title of PhD thesis: Sarcoplasmic/endoplasmic reticulum Ca<sup>2+</sup> ATPases, myogenic regulatory factors and myostatin in the regeneration of rat skeletal muscles

October 1997-October 2000 PhD course "Biochemistry, Biophysics, Molecular and Cell Biology", Institute of Biochemistry (Head: Prof. László Dux), Faculty of General Medicine, Albert Szent-Györgyi Medical University, Szeged, Hungary

September 1997 MD degree (score: excellent "summa cum laude")

September 1991-September 1997 Medical student, Faculty of General Medicine, Albert Szent-Györgyi Medical University, Szeged, Hungary

September 1987-June 1991 Béla III. High School, Baja, Hungary; graduation with distinction

**Positions held, research and teaching experience:**

January 2004- Present Assistant professor, Muscle Adaptation Group, Institute of Biochemistry (Head: Prof. László Dux), Faculty of General Medicine, University of Szeged, Szeged, Hungary (research/teaching activities in Biochemistry for Hungarian/German/English medical students)

August 2009- August 2010 Resident in UK; Max-Planck-Institute (MPI)-computer-based analysis of *in vivo* mouse heart function (finishing the German MPI-project)

- January 2008- August 2009 Postdoctoral fellow, Max-Planck-Institute (MPI) for Heart- and Lung Research, Department of Cardiac Development and Remodelling (Head: Prof. Thomas Braun), Bad Nauheim, Germany
- October 2000- December 2003 Assistant lecturer/ teaching assistant, Institute of Biochemistry, Faculty of General Medicine, University of Szeged, Szeged, Hungary (research/teaching activities in Biochemistry for Hungarian/German/English medical students)
- September 2003 Member of the Local Organizer Committee of the 8<sup>th</sup> Congress of World Muscle Society, Szeged, Hungary (main coordinator of scientific program)
- October 1997- October 2000 PhD student (Tutor: Ernő Zádor PhD), Institute of Biochemistry, Faculty of General Medicine, Albert Szent-Györgyi Medical University, Szeged, Hungary (research/teaching activities)
- September 1993- September 1997 Student research fellow/ student instructor (Tutor: Ernő Zádor PhD), Institute of Biochemistry (Head: Prof. László Dux), Faculty of General Medicine, Albert Szent-Györgyi Medical University, Szeged, Hungary (research/ teaching activities)

**Parental leaves:**

- March 2004- April 2006 High-risk pregnancy and maternity leave
- November 2000- September 2002 High-risk pregnancy and maternity leave

**Fields of interest:**

- Skeletal muscle differentiation, regeneration, molecular regulation of muscle adaptation, regulation of muscle mass
- Molecular regulation of cardiac hypertrophy and remodelling
- Gene expression, molecular mechanisms of myostatin action in skeletal muscle, adipose tissues and the heart

**Laboratory skills:**

- Work with laboratory animals (mouse and rat): handling skills, anaesthesia, blood taking (i.e. for glucose tolerance test), perfusion techniques, toxin injection in rat/mouse muscles, Tamoxifen pellet implantation, castration, denervation of hindlimbs, *in vivo* (adenovirus) transfection, tissue isolation etc.
- Work with reporter (Rosa-LacZ, Z/AP, Z/EG) mouse lines as well as with constitutive and conditional/inducible knockout mouse lines
- Analysis of *in vivo* heart function in mice using the program "Mass4Mice" (MRI), analysis of fat/muscle ratio in mice (MRI)
- Histology techniques (paraffin and cryosections, fixation and cryopreservation of tissues; infarct size analysis of mouse hearts, computer assisted cell size measurement in muscle and fat tissues)
- Histochemistry and immunohistochemistry, light- and fluorescence microscopy
- Morphological - and biochemical analysis of skeletal muscles, heart and adipose tissues
- Basic cell culture procedures
- DNA and RNA isolation, genotyping, Northern blot
- In situ hybridization
- Primer design, PCR and RT-PCR, real-time PCR
- Protein isolation, Western blotting

**Scholarships,  
fellowships, field trips:**

- January 2008-  
August 2009 Scholarship of the Max Planck Society, Max-Planck-Institute for Heart- and Lung Research, Department of Cardiac Development and Remodelling (Head: Prof. Thomas Braun), Bad Nauheim, Germany
- September 2008-  
December 2008 "Eötvös Research Scholarship" of the Hungarian Academy of Sciences, Max-Planck-Institute for Heart- and Lung Research, Department of Cardiac Development and Remodelling, Bad Nauheim, Germany
- September 2003-  
September 2007 "János Bolyai Research Scholarship" of the Hungarian Academy of Sciences (2 years interruption (2004-2006) due to parental leave), Institute of Biochemistry (Head: Prof. László Dux), Faculty of General Medicine, University of Szeged, Szeged, Hungary
- December 2001 Visiting scholar – Laboratory of Physiology (Prof. Frank Wuytack), Katholieke Universiteit Leuven, Leuven, Belgium
- 1997/1998/1999/2000  
(1/5/4/3 months) Research fellow (PhD student) – Laboratory of Physiology (Prof. Frank Wuytack), Katholieke Universiteit Leuven, Leuven, Belgium
- August 1996 Medical student (student exchange program) - Department of Surgery, Universität Ulm, Ulm, Germany
- March 1995 Student research fellow - Department of Biology (Head: Prof. Dirk Pette), Universität Konstanz, Konstanz, Germany
- September 1994-  
September 1997 "Scholarship of the Hungarian Republic" for outstanding curricular achievements (as a medical student)

**Awards and distinctions:**

- 2008 Co-author in the poster awarded the Elsevier World Muscle Society Membership Prize (13<sup>th</sup> Congress of the World Muscle Society, Newcastle Gatehead, UK, 29<sup>th</sup> September- 2<sup>nd</sup> October, 2008)
- Keller-Pinter A, Mendler L, Dux L (2008) Myostatin interacts with syndecan-4 and PKC-alpha in skeletal muscle. *Neuromusc Disorders* 18: 779
- 2004 "Best Instructor in Biochemistry" awarded by German medical students, Faculty of General Medicine, University of Szeged, Szeged, Hungary
- 1997 "Pro Scientia" Gold Medal for outstanding research- and curricular activities; Award of the National Students' Scientific Council, Hungarian Academy of Sciences
- 1997 1<sup>st</sup> prize  
Lecture, National Scientific Conference of Medical Students, Szeged, Hungary  
Title: "The role of the myogenic regulatory factors in skeletal muscle regeneration"
- 1997 1<sup>st</sup> prize  
Young Investigator Award for Poster presentation, awarded by Hungarian Society of Cell- and Developmental Biology, Debrecen, Hungary
- Mendler L, Zádor E, Wuytack F, Dux L mRNA distribution of the myogenic regulatory factors along the length of rat soleus muscle. V. Conference of the Hungarian Society of Cell- and Developmental Biology, Debrecen, Hungary

- 1991 High School graduation with distinction; Béla III. High School, Baja, Hungary  
"High School Student of the Year"- Award of Baja Town Council (hometown), Hungary
- 1991 2<sup>nd</sup> prize  
National Competition of High School Students in Hungary  
Topic: Biology

**Memberships:**

- 1997- Hungarian Medical Chamber  
1997- World Muscle Society  
1997- Hungarian Society of the Gold Medallists' "Pro Scientia"  
1996- Hungarian Biochemical Society

**Tutorship (MD/MSc thesis):**

Medical students (3)/ biologist (1)  
Best medical student (Zsuzsanna Baka): 2<sup>nd</sup> prize, National Scientific Conference of Medical Students, Budapest, Hungary (2007)  
Title of lecture: "The regeneration of reinnervated soleus muscle is accompanied by fiber transition toward a faster phenotype"

**Reviewer for PhD thesis:**

Balázs Eördög: "Expression and Function of the Potassium Channels of the Human Heart", 2010, Faculty of General Medicine, University of Szeged, Szeged, Hungary

**Reviewer for:**

Neuromuscular Disorders, Journal of Histochemistry and Cytochemistry, Hormone and Metabolic Research, Journal of Sexual Medicine, Molecular and Cellular Endocrinology

**Editorial board member:**

Biochemistry Insights (online journal)

**Scientometric data:**

Number of full papers in international journals: 10  
Cumulative impact factors of referred papers: 29  
Total number of independent citations: 124 (Jun 2011)  
Abstracts published in international journals: 30

**Computer skills:**

Operating systems: Windows 2000 Professional; Windows XP; Windows Vista; Mac OS X 10.4, 10.5, 10.6  
Software applications: MS Office 97, 2000, XP-2008, for Mac (Word, Excel, Outlook, PowerPoint); iWork '06, '08; Internet Explorer and other browsers, Adobe Photoshop CS4, GraphPad Prism 4 and 5, Image J, GOrilla

**Languages:**

Hungarian (native), English (fluent), German (fluent)

**Personal status:**

Married, mother of two children (7- and 10-year-old)  
Husband: Neonatologist, specialty doctor in Paediatrics

**Hobbies**

Athletics (junior national champion, long jump, 1987)  
Reading

**Publication list**  
**Luca Mendler MD PhD**

**A) Full research papers in international journals:**

1. Zádor E, **Mendler L**, Ver Heyen M, Dux L, Wuytack F (1996) Changes in mRNA levels of the sarcoplasmic/endoplasmic-reticulum  $Ca^{2+}$  ATPase isoforms in the rat soleus muscle regenerating from notexin-induced necrosis. *Biochem J* 320:107-113  
IF: 3.687
2. **Mendler L**, Zádor E, Dux L, Wuytack F (1998) mRNA levels of myogenic regulatory factors in rat slow and fast muscles regenerating from notexin induced necrosis. *Neuromusc Disord* 8: 533-541  
IF: 2.582
3. #**Mendler L**, #Szakonyi G, #Zádor E, Görbe A, Dux L, Wuytack F (1998) Expression of sarcoplasmic/endoplasmic reticulum  $Ca^{2+}$  ATPases in the rat extensor digitorum longus (EDL) muscle regenerating from notexin-induced necrosis. *J Muscle Res Cell Mot* 19: 777-785  
# Authors contributed equally to this work  
IF: 2.905
4. Zádor E, Szakonyi G, Rácz G, **Mendler L**, Ver Heyen M, Lebacqz J, Dux L, Wuytack F (1998) Expression of sarcoplasmic/endoplasmic reticulum  $Ca^{2+}$  transport ATPase protein isoforms during regeneration from notexin-induced necrosis of rat soleus muscle. *Acta Histochem* 100: 355-369  
IF: 0.878
5. **Mendler L**, Zádor E, Ver Heyen M, Dux L, Wuytack F (2000) Myostatin levels in regenerating rat muscles and in myogenic cell cultures. *J Muscle Res Cell Mot* 21: 551-563  
IF: 2.117
6. Zádor E, **Mendler L**, Takacs V, De Bleecker J, Wuytack F (2001) Regenerating soleus and EDL muscles of the rat show elevated levels of TNF- $\alpha$  and its receptors, TNFR-60 and TNFR-80. *Muscle Nerve* 24: 1058-1067  
IF: 2.316
7. Pintér S, **Mendler L**, Dux L (2003) Neural impacts on the regeneration of skeletal muscles. *Acta Biochim Pol* 50: 1229-1237  
IF: 0.629
8. **Mendler L**, Baka Zs, Kovács-Simon A, Dux L (2007) Androgens negatively regulate myostatin expression in an androgen-dependent skeletal muscle. *Biochem Biophys Res Comm* 361: 237-242  
IF: 2.749
9. **Mendler L**, Pintér S, Kiricsi M, Baka Zs, Dux L (2008) The regeneration of reinnervated rat soleus muscle is accompanied by fiber transition toward a faster phenotype. *J Histochem Cytochem* 56:111-23  
IF: 2.823
10. Drexler HC, Ruhs A, Konzer A, **Mendler L**, Bruckskotten M, Looso M, Günther S, Boettger T, Krüger M, Braun T (2011) On marathons and sprints: An integrated Quantitative proteomics and transcriptomics analysis of differences between slow and fast muscle fibers. *Mol Cell Proteomics*. 30. Dec. 2011  
IF: 8.354

**Cumulative impact factors of published articles: 29.04**

**B) Published contributions to international academic conferences:**

1. Zador E, **Mendler L**, Dux L (1995) Expression of the Ca<sup>2+</sup> ATPase and the acetylcholinesterase gene in regenerating rat muscle. European J Cell Biol 539-539 (ECBO Meeting, Heidelberg, Germany, 1995) Poster  
IF: 3.043
2. Zádor E, **Mendler L**, Dux L (1996) Mitotic division and motor endplate formation in the regenerating soleus muscle of the rat. Cell Biol Int 20: 226-226 (4<sup>th</sup> Annual Meeting of the Hungarian Cell and Developmental Biologists, 18-20. January 1996, Visegrad, Hungary)  
Lecture  
IF: 1.018
3. Zador E, **Mendler L**, Szakonyi G, Racz G, Gorbe A, Wuytack F, Dux L (1997) Expression of the myogenic regulatory factors and the sarcoplasmic/ endoplasmic reticulum Ca<sup>2+</sup> ATPases in regenerating fast and slow muscles of the rat. Neuromusc Disorders 7: 475-475 (2<sup>nd</sup> Congress of the World Muscle Society, Tunis, Tunisia, 1997) Poster  
IF: 2.351
4. Zador E, **Mendler L**, Rácz G, Dux L, Wuytack F (1997) Expression of the sarcoplasmic/endoplasmic reticulum Ca<sup>2+</sup> ATPases in regenerating rat soleus muscles. European J Cell Biol (ECBO Meeting, Brighton, England, 22-25 March, 1997) Poster  
IF: 2.353
5. Dux L, **Mendler L**, Zador E (1997) Regulatory factors, involved in muscle specific differentiation during skeletal muscle regeneration. (3<sup>rd</sup> International Conference of the Hungarian Biochemical Society, Pécs, Hungary, 1997) Lecture
6. Zador E, **Mendler L**, Szakonyi G, Dux L, Wuytack F (1998) The sarco(endo)plasmic reticulum Ca<sup>2+</sup> pumps in regenerating fast and slow muscles. Pflugers Arch 435: R243-243 (Conference of Societe Belge De Physiologie et De Pharmacologie Fondamentales et Cliniques, Brussels, Belgium, 1998) Lecture  
IF: 2.529
7. **Mendler L**, Zádor E, Dux L, Wuytack F (1998) The expression of a new member of TGF-beta superfamily called growth/differentiation factor 8 (GDF-8) in regenerating skeletal muscle of rat. Neuromusc Disorders 8: 294-294 (3<sup>rd</sup> Congress of the World Muscle Society, Napoli, Italy, 1998) Poster  
IF: 2.582
8. Zádor E, **Mendler L**, Takács V, DeBleecker J, Wuytack F (1999) Elevated levels of TNF- $\alpha$  and macrophages accompany skeletal muscle regeneration. Pflugers Arch 439: R245 (Conference of Societe Belge De Physiologie et De Pharmacologie Fondamentales et Cliniques, Gent, Belgium, 1999) Poster  
IF: 2.203
9. **Mendler L** (1999) Myostatin levels in regenerating rat muscles and in myogenic cell cultures (Symposium on Muscle Growth and Differentiation, Leuven, Belgium, December 1999).  
Lecture
10. **Mendler L**, Zádor E, Dux L, Wuytack F (2000) Myostatin levels in regenerating rat muscles and in myogenic cell cultures. J Physiol 526: 42-42 (Joint Meeting of The Physiological Society and the Hungarian Physiological Society, Budapest, 2000) Poster  
IF: 4.455
11. **Mendler L**, Zador E, Ver Heyen M, Dux L, Wuytack F (2001) Myostatin levels in regenerating rat muscles and in myogenic cell cultures. Neuromusc Disorders 11: Poster B.P.3.15. (6<sup>th</sup> Congress of the World Muscle Society, Salt Lake City, USA, October 2001) Poster  
IF: 2.547

12. Zador E, **Mendler L**, Takacs V, DeBleecker J, Wuytack F (2002) The levels of TNF- $\alpha$  and its receptors, TNFR-60 and TNFR-80, are elevated in regenerating muscles of the rat. *Neuromusc Disorders* 12: 749-750 (7<sup>th</sup> Congress of the World Muscle Society, Rotterdam, Netherland, October 2002) Poster  
IF: 2.587
13. **Mendler L**, Baka Zs, Zador E, Dux L (2003) Myostatin expression in the androgen-dependent levator ani muscle of the rat. *Neuromusc Disorders* 13: 622-622 (8<sup>th</sup> Congress of the World Muscle Society, Szeged, Hungary, 3-6 September 2003) Poster  
IF: 2.894
14. Pinter S, **Mendler L**, Dux L (2003) Skeletal muscle adaptation capacities after denervation/reinnervation. *Neuromusc Disorders* 13: 623-623 (8<sup>th</sup> Congress of the World Muscle Society, Szeged, Hungary, 3-6 September 2003) Poster  
IF: 2.894
15. Pintér S, **Mendler L**, Zádor E, Dux L (2004) Morphological changes of the regeneration in the reinnervated soleus muscle of the rat. (9<sup>th</sup> Congress of the IFSSH (International Federation of Societies for Surgery of the Hand), Budapest, Hungary, 13-17 June 2004) Poster
16. Görbe A, Becker DL, Dux L, **Mendler L**, Krenács T (2004) Connection between gap junction communication and myoblast fusion. *Neuromusc Disorders* 14: 608-608 (9<sup>th</sup> Congress of the World Muscle Society, Goteborg, Sweden, 1-4 September 2004) Poster  
IF: 3.042
17. Zádor E, **Mendler L** (2005) The muscle type of the Compact mouse: myostatin or androgen effect? *J Muscle Res Cell Mot* 26: 85-85 (XXXIV. European Muscle Conference, Hortobágy, Hungary, 17-21 September 2005) Poster  
IF: 1.338
18. Mátés L, Korpos É, **Mendler L**, Kiricsi M, Dux L, Deák F, Kiss I (2005) Activation of Matrilin-2 and Prx1 genes during skeletal muscle regeneration. (EMBO-FEBS Workshop on the "Molecular and cellular mechanisms underlying skeletal muscle formation and repair", Fontevraud l'Abbaye, France, October 2005) Poster
19. Korpos É, Kiricsi M, Mátés L, **Mendler L**, Dux L, Kiss I (2006) Increased level of matrilin-2 gene expression in regenerating skeletal muscle model. *Biochem J* 389: 705-716, abstract #A3222 (FECTS XX<sup>th</sup> and ISMB Meeting, Oulu, Finland, 2006) Poster  
IF: 4.1
20. Kiricsi M, Korpos É, Mátés L, **Mendler L**, Deák F, Kiss I, Dux L (2006) Potential function of matrilin-2 in rat skeletal muscle regenerating from notexin-induced necrosis. *FEBS J* 273: 352-352 Suppl. (31<sup>th</sup> Meeting of the FEBS, Istanbul, Turkey, 1 June 2006) Poster  
IF: 3.033
21. Korpos E, Kiricsi M, **Mendler L**, Mates L, Kiss I, Dux L (2006) Increased level of matrilin-2 gene expression in regenerating skeletal muscle model. *Neuromusc Disorders* 16: 716-717 (11<sup>th</sup> Congress of the World Muscle Society, Brugge, Belgium, October 2006) Poster  
IF: 2.615
22. **Mendler L**, Pinter S, Kiricsi M, Dux L (2006) Changes in fiber-type composition of re-innervated rat soleus muscle regenerating from notexin-induced necrosis. *Neuromusc Disorders* 16: 693-693 (11<sup>th</sup> Congress of the World Muscle Society, Brugge, Belgium, October 2006) Poster  
IF: 2.615
23. Korpos É, Mátés L, Kiricsi M, **Mendler L**, Zvara Á, Rottenberger Zs, Feltóti Zs, Deák F, Puskás L, Dux L, Kiss I (2007) Transient upregulation of matrilin-2 gene expression suggests a role in early steps of skeletal muscle regeneration. (XIII<sup>th</sup> International Symposium on Basement Membranes, Cologne, Germany, September 19-22, 2007) Poster

24. **Mendler L**, Baka Zs, Kovacs-Simon A, Dux L (2007) Androgen status influences myostatin expression in an androgen-dependent skeletal muscle of the rat. *Neuromusc Disorders* 17: 786 (12<sup>nd</sup> Congress of the World Muscle Society, Giardini Naxos, Sicily, 17-21 October, 2007) Poster  
IF: 2.667
25. Keller-Pinter A, **Mendler L**, Dux L (2008) Myostatin interacts with syndecan-4 and PKC-alpha in skeletal muscle. *Neuromusc Disorders* 18: 779 (13<sup>th</sup> Congress of the World Muscle Society, Newcastle Gatehead, UK, 29 September- 2 October, 2008) Poster. Elsevier WMS Membership Award  
IF: 2.932
26. Krüger M, Drexler H, Konzer A, Ruhs A, **Mendler L**, Braun T (2009) Quantitative proteome analysis of slow and fast skeletal muscle tissue using in vivo SILAC. (57<sup>th</sup> ASMS Conference on Mass Spectrometry, Philadelphia, US, May 31-June 4, 2009) Poster
27. Keller-Pinter A, **Mendler L**, Dux L (2009) Heparan-sulfate dependent interaction of myostatin and syndecan-4 (14<sup>th</sup> Congress of the World Muscle Society, Geneva, Switzerland, 9-12 September, 2009) Poster  
IF: 2.932
28. Korpos E, Mátés L, **Mendler L**, Kiricsi M, Zvara A, Deák F, Rottenberger Z, Keller-Pintér A, Puskás L, Dux L, Kiss I (2009) Transient upregulation of matrilin-2 gene expression suggests a role in early steps of skeletal muscle regeneration. *Neuromusc Disorders* (14<sup>th</sup> Congress of the World Muscle Society, Geneva, Switzerland, 9-12 September, 2009) Poster  
IF: 2.932
29. Mendler L, Dux I, Zador E (2011) The muscle phenotype of the Compact mouse: myostatin and androgen effect? *The Molecular and Cellular Mechanisms Regulating Skeletal Muscle Development and Regeneration*. EMBO Myogenesis Conference series, Wiesbaden, Germany, 10-15. May 2011. Poster
30. Mendler L, Dux I, Zador E (2011) The muscle phenotype of the Compact mouse: myostatin and androgen effect? *Neuromusc Disorders* (16<sup>th</sup> Congress of the World Muscle Society, Almancil, Algarve, Portugal, 18-22. October, 2011) Poster  
IF: 2.764

**Cumulative impact factor of published abstracts: 62.426**

**C) Contributions to Hungarian academic conferences:**

1. Nagy E, Godó Gy, **Mendler L**, Dux L (1994) Comparison of microalbumin measurements with nephelometry (TURBOX) and turbidimetry (Hitachi 911). 44<sup>th</sup> Meeting of The Hungarian Society of Laboratory Diagnostics, Pécs, 1994. Poster
2. Nagy E, Godó Gy, **Mendler L**, Dux L (1994): Determination of HbA<sub>1c</sub> with the help of HPLC (DIAMAT) and Hitachi 911 analyzer. 44<sup>th</sup> Meeting of The Hungarian Society of Laboratory Diagnostics, Pécs, 1994. Poster
3. Zádor E, **Mendler L**, Dux L, Wuytack F (1996) The mRNA levels of sarco(endo)plasmic reticulum Ca<sup>2+</sup> pumps in regenerating rat soleus muscles. XXVI<sup>th</sup> Membrantransport Conference, Sümeg, 1996. Poster
4. Zádor E, **Mendler L**, Wuytack F, Dux L (1997) Expression of the myogenic regulatory factors in fast and slow rat muscles regenerating from notexin-induced necrosis. V<sup>th</sup> Conference of Hungarian Society of Cell- and Developmental Biology, Debrecen. Lecture

5. **Mendler L**, Zádor E, Wuytack F, Dux L (1997) mRNA distribution of the myogenic regulatory factors along the length of rat soleus muscle. V<sup>th</sup> Conference of the Hungarian Society of Cell- and Developmental Biology, Debrecen, Hungary. Poster. I. prize, Young Investigator Award for Poster presentation
6. Zádor E, **Mendler L**, Szakonyi G, Görbe A, Wuytack F, Dux L (1997) Expression of the myogenic regulatory factors and the sarcoplasmic/ endoplasmic reticulum Ca<sup>2+</sup> ATPases in regenerating fast and slow muscles of the rat. XXVII<sup>nd</sup> Membrantransport Conference, Sümeg, 1997. Lecture
7. **Mendler L**, Garami A, Szakonyi G, Zádor E, Wuytack F, Dux L (1997) Transcripts of SERCA isoforms show distribution along the length of rat skeletal muscles. XXVII<sup>th</sup> Membrantransport Conference Sümeg, 1997. Poster
8. **Mendler L** (1997) Expression of myogenic regulatory factors in the regeneration of rat skeletal muscles. IV<sup>th</sup> Days of Albert Szent-Györgyi, Albert Szent-Györgyi Medical University, Szeged, 1997. Lecture
9. Zádor E, **Mendler L**, Rácz G, Wuytack F, Dux L (1998) Co-expression of Ca<sup>2+</sup>-pump proteins and myosin isoforms in regenerated skeletal muscle fibers. VI<sup>th</sup> Conference of Hungarian Society of Cell- and Developmental Biology, Szeged, 1998. Lecture
10. **Mendler L**, Zádor E, Wuytack F, Dux L (1998) The role of growth factors and transcription factors in the regeneration of skeletal muscles. 3<sup>rd</sup> Meeting of the Hungarian Biochemical Society, Division Molecular Biology, Sárospatak, 1998. Lecture
11. Zádor E, **Mendler L**, Rácz G, Wuytack F, Dux L (1998) Transcription factors and differentiation markers are expressed in similar order during both regeneration and muscle development. 3<sup>rd</sup> Meeting of the Hungarian Biochemical Society, Division Molecular Biology, Sárospatak, 1998. Poster
12. Zádor E, **Mendler L**, Wuytack F, Dux L (1998) The expression of differentiation markers during skeletal muscle regeneration. Annual Meeting of the Hungarian Physiological Society, Debrecen, 1998. Lecture
13. **Mendler L** (1998) The expression of differentiation markers during the regeneration of rat skeletal muscles. IV<sup>th</sup> Conference of the Society of *Pro Scientia* Gold Medalists, Szeged, 1998. Lecture
14. Zádor E, **Mendler L**, Szakonyi G, Dux L, Wuytack F (1998) Expression the sarcoplasmic/ endoplasmic reticulum Ca<sup>2+</sup> ATPases in regenerating skeletal muscles. Hungarian Space Research Program, Budapest, 1998. Poster
15. **Mendler L**, Zádor E, Wuytack F, Dux L (2003) Myostatin expression in regenerating rat skeletal muscles. 8<sup>th</sup> Meeting of the Hungarian Biochemical Society, Division Molecular Biology, Tihany, 12-15 May, 2003. Poster
16. **Mendler L** (2003) Molecular regulation of skeletal muscle differentiation. University of Physical Education, Department of Biomechanics, Budapest, 31 October 2003. Invited Lecture
17. Zádor E, **Mendler L** (2004) The phenotype of Compact mouse: Myostatin and androgen effect? XII<sup>nd</sup> Conference of the Hungarian Society of Cell- and Developmental Biology, Pécs, 16-18 April 2004. Lecture
18. Korpos É, Kiricsi M, Mátés L, **Mendler L**, Dux L, Deák F, Kiss I (2005) Gen activation of Matrilin-2 and Prx1 during skeletal muscle regeneration. Straub' Days, Biological Research Center of the Hungarian Academy of Sciences, Szeged, November 2005. Lecture

19. **Mendler L**, Baka Zs, Dux L (2006) Androgens influence the expression of myostatin, the skeletal muscle growth inhibitor. Annual Meeting of the Hungarian Biochemical Society, Pécs, 30 August - 2 September 2006. Poster
20. Korpos É, Mátés L, Kiricsi M, **Mendler L**, Zvara Á, Rottenberger Zs, Deák F, Puskás L, Dux L, Kiss I (2007) The role of matrilin-2 in skeletal muscle regeneration. XIV. Conference of the Hungarian Society of Cell- and Developmental Biology, Balatonfüred, 15-17 April 2007. Lecture
21. Deák F, Korpos É, Mátés L, Kiricsi M, **Mendler L**, Zvara Á, Keller-Pintér A, Puskás L, Dux L, Kiss I (2009) The role of matrilin-2 in Muscle differentiation. Straub' Days, Biological Research Center of the Hungarian Academy of Sciences, Szeged, 23-25 November 2009. Lecture