

# Patricia Ágnes Szokol

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## Education

**Ph.D. Mathematics and Computer Science**, University of Debrecen, 2016.  
*Preserver problems and separation theorems*

**M.Sc Applied Mathematics**, University of Debrecen, 2010.  
*Classical and quantum relative entropy*

## Fields of interest

functional analysis (preserver problems)

convexity and its generalizations

## Languages

Hungarian (mother tongue)

English (fluent)

German (moderate)

## Professional Experience

**Assistant Professor**, University of Debrecen 2016–

**Teaching Assistant**, University of Miskolc 2015–2016

**Assistant research fellow**, MTA–DE “Lendület” Research Grant by the Hungarian Academy of Sciences, 2012–2015

**Assistant research fellow**, University of Debrecen 2014

## Scholarships

**Campus Hungary** Trieszt, Italy, 2013, 2 week

**Campus Hungary** Kaohsiung, Taiwan, 2014, 2 weeks

## Awards, Honors

ISFE-medal by the Scientific Committee of the ISFE (International Symposium on Functional Equations), 2016

Grünvald Géza Memorial Prize by János Bolyai Mathematical Society, 2015

Special prize by the Scientific Committee of the OTDK, 2011

Rényi Kató Memorial Prize by János Bolyai Mathematical Society, 2010

TTK-medal by the Faculty of Science and Technology, University of Debrecen, 2010

## Grants and Sponsored Programs

**“Lendület” Research Grant by the Hungarian Academy of Sciences, 2012–2015**  
team member (project leader: Lajos Molnár)

**HAS-MOST Hungarian-Taiwanese bilateral research project, 2015–2017**  
team member (project leader on the Hungarian side: Lajos Molnár)

**Grant from the Hungarian Scientific Research Fund (OTKA), Grant No. K115383, 2015–2019**  
team member (project leader: Lajos Molnár)

## Conference Organizer

The 8th International Students’ Conference on Analysis, 2012

The 50th International Symposium on Functional Equations, 2012

“Lendület” FIFA’13 Workshop, 2013

The 10th International Students’ Conference on Analysis, 2014

Young Functional Analysts’ Meeting, 2014

Conference on Inequalities and Applications, 2014

The 54th International Symposium on Functional Equations, 2016

Conference on Inequalities and Applications, 2016

## Teaching

TMBGo101 Algebrai alapismeretek, (Basics of algebra)

TMBGo103 Bevezetés az algebrába és számelméletbe, (Introduction to algebra and numerical theory)

INBK111/INGK111 Kalkulus 1 (Calculus 1)

TMBGo201 Halmazok és függvények, (Sets and functions)

TMBGo202 Bevezetés az analízisbe, (Introduction to Analysis)

INDK112/INGK112 Kalkulus 2, (Calculus 2)

TMBGo203 Differenciál- és integrálszámítás, (Differentiation and integration)

INRK242 Matematikai alapok 2, (Basics of mathematics)

TKME4017 Matematika (Mathematics)

INCK121 Numerikus matematika (Numerical Analysis)

GEMAN151B/GEMAN151-B/GEMAN114-B Analízis 1, (Analysis 1), University of Miskolc

GEMAN114B Matematika 1, (Mathematics 1), University of Miskolc

GEMAN154-B Matematika logika és alkalmazásai, (Mathematical logic and its applications), University of Miskolc

GEMAN161-B Matematikai analízis 2, (Mathematical Analysis 2), University of Miskolc

GEMAN161B/GEMAN120B-g Analízis 2, (Analysis 2), University of Miskolc

GEMAN6218B Matematika 2, (Mathematics 2), University of Miskolc

## Lecture notes

P. Szokol (based on a lecture of Lajos Molnár) *Komplex függvénytan*

Last updated: September 9, 2016

<http://www.inf.unideb.hu/uk/szokolpatriciaagnes>