Közlemények tudományos folyóiratokban

Hu HE, Pan F, Völgyi B, Bloomfield SA
Light Increases the Gap Junctional Coupling of Retinal Ganglion Cells
IF: 3.743**

Pan F, Paul DL, Bloomfield SA, Völgyi B
Connexin36 is required for gap junctional coupling of most ganglion cell subtypes in the mouse retina.
IF: 3.743**

Völgyi B, Chheda S, Bloomfield SA
Tracer coupling patterns of the ganglion cell subtypes in the mouse retina.
IF: 3.743*

Bloomfield SA, Völgyi B
The diverse functional roles and regulation of neuronal gap junctions in the retina.
IF: 25.940*

Ackert JM, Farajian R, Völgyi B, Bloomfield SA
GABA blockade unmasks an OFF response in ON direction selective ganglion cells in the mammalian retina.
IF: 4.605*

Bloomfield SA, Völgyi B
Response properties of a unique subtype of wide-field amacrine cell in the rabbit retina.
IF: 1.612

Völgyi B, Abrams J, Paul DL, Bloomfield SA
Morphology and tracer coupling pattern of alpha ganglion cells in the mouse retina.
IF: 3.855

Petit-Jacques J, Völgyi B, Rudy B, Bloomfield S
Spontaneous oscillatory activity of starburst amacrine cells in the mouse retina.
IF: 3.853
**Völgyi B.** Deans MR, Paul DL, Bloomfield SA
Convergence and segregation of the multiple rod pathways in mammalian retina.
IF: 7.907

Ozaita A, Petit-Jacques J, **Völgyi B.** Ho CS, Joho RH, Bloomfield SA, Rudy B
A unique role for Kv3 voltage-gated potassium channels in starburst amacrine cell signaling in mouse retina.
IF: 7.907

Chow RL, **Völgyi B.** Szilard RK, Ng D, McKerlie C, Bloomfield SA, Birch DG, McInnes RR
Control of late off-center cone bipolar cell differentiation and visual signaling by the homeobox gene Vsx1.
IF: 10.452

Bloomfield SA, **Völgyi B.**
Function and plasticity of homologous coupling between AII amacrine cells.
IF: 1.812

**Völgyi B.** Xin D, Bloomfield SA
Feedback inhibition in the inner plexiform layer underlies the surround-mediated responses of AII amacrine cells in the mammalian retina.
IF: 4.650

**Völgyi B.** Bloomfield SA
Axonal neurofilament-H immunolabeling in the rabbit retina.
IF: 3.848

Deans MR, **Völgyi B.** Goodenough DA, Bloomfield SA, Paul DL
Connexin36 is essential for transmission of rod-mediated visual signals in the mammalian retina.
IF: 13.846

**Völgyi B.** Xin D, Amarillo Y, Bloomfield SA
Morphology and physiology of the polyaxonal amacrine cells in the rabbit retina.
IF: 3.515

Gábriel R, **Völgyi B.** Pollák E
Most calretinin-containing amacrine cells in the rabbit retina co-localize glycine.
**VISUAL NEUROSCIENCE** 16:(6) pp. 983-990. (1999)  
IF: 2.204

Gábriel R, **Völgyi B**, Pollák E  
Calretinin-immunoreactive elements in the retina and optic tectum of the frog, Rana esculenta.  
IF: 2.150

**Völgyi B**, Pollak E, Buzas P, Gabriel R  
Calretinin in Neurochemically Well-defined Cell Populations of Rabbit Retina.  
**BRAIN RESEARCH** 763:(1) pp. 79-86. (1997)  
IF: 2.119

Toldi J, Farkas T, **Völgyi B**  
Neonatal enucleation induces cross-modal changes in the barrel cortex of rat. A behavioural and electrophysiological study.  
IF: 2.703

**Völgyi B**, Farkas T, Toldi J  
Compensation of a sensory deficit inflicted upon newborn and adult animals. A behavioural study.  
IF: 2.277

---

**Konferenciai poszter absztrakt**

Pan F, **Völgyi B**, Paul DL, Bloomfield SA  
Light-Induced Changes in Gap Junctional Coupling of OFF Alpha Ganglion Cell Arrays in Mouse Retina.  
**INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE** 50: (2009)  
Annual meeting of The Association for Research in Vision and Ophthalmology

**Völgyi B**, Paul DL, Bloomfield SA  
Deletion of connexin36 reduces coupling of most ganglion cell subtypes in the mouse retina.  
**INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE** 49: (2008)  
Annual meeting of The Association for Research in Vision and Ophthalmology

Postma F, **Völgyi B**, Bloomfield SA, Swaroop A, Paul DL  
Ganglion Cell Responses to Photopic Stimuli Are Suppressed in a Cone-Specific Connexin36 Knockout.  
Annual meeting of The Association for Research in Vision and Ophthalmology  
**INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE** 48: (2007)

Ackert JM, Farajian R, Chheda S, **Völgyi B**, Bloomfield SA
ON Direction Selective Ganglion Cells Display a Directional OFF Response Received via Gap Junctions With Polyaxonal Amacine Cells.
Annual meeting of The Association for Research in Vision and Ophthalmology
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 48: (2007)

Völgyi B, Chheda S, Bloomfield SA
Stereotypic tracer coupling patterns of the ganglion cell subtypes in the mouse retina.
Annual meeting of The Association for Research in Vision and Ophthalmology
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 48: (2007)

Postma F, Völgyi B, Deans M, Swaroop A, Bloomfield SA, Paul DL
Generation of a Cone-Specific Connexin36 Knockout Mouse: Initial Characterization and Ganglion Cell Responses.
Annual meeting of The Association for Research in Vision and Ophthalmology
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 47: (2006)

Völgyi B, C. Davies-Venn, Y. Kruman, S.A. Bloomfield.
Connexin36 localized at heterologous ganglion cell gap junctions in mammalian retina.
Annual meeting of The Association for Research in Vision and Ophthalmology
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 47: (2006)

Völgyi B, Abrams J, Paul DL Bloomfield SA
Connexin36 comprises heterologous but not homologous gap junctions formed by alpha ganglion cells in mouse retina.
Annual meeting of The Association for Research in Vision and Ophthalmology
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 46: (2005)

Völgyi B, Pearson Z, Deans M, Paul DL, Bloomfield S
Convergence and segregation of the multiple rod pathways to off-center ganglion cells in the dark-adapted mouse retina.
Annual meeting of The Association for Research in Vision and Ophthalmology

Petit-Jacques J, Völgyi B, Rudy B, Bloomfield SA
Spontaneous oscillatory membrane currents in starburst amacrine cells in mouse retina.
Annual meeting of The Association for Research in Vision and Ophthalmology

McInnes RR; Chow RL; Völgyi B, Bloomfield SA
Vision defects and incomplete cone bipolar interneuron differentiation due to loss of function of the Vsx1 homeobox

Völgyi B, Abdekalimi J, Bloomfield SA
A physiological/morphological study of the alpha ganglion cells in the mouse retina.
Annual meeting of The Association for Research in Vision and Ophthalmology

Völgyi B, Deans M, Paul DL, Bloomfield SA
Role of AII Amacrine Cell Coupling in Rod Vision: Studies Using a Connexin36 Knockout Mouse.

Annual meeting of The Association for Research in Vision and Ophthalmology

INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 43: (2001)

Xin D, Völgyi B, Amarillo Y, Bloomfield SA
Polyaxonal amacrine cells in the rabbit retina.
Annual meeting of The Association for Research in Vision and Ophthalmology

Völgyi B. Bloomfield SA
Axonal neurofilament-H immunolabeling in the mammalian retina.
Annual meeting of The Association for Research in Vision and Ophthalmology

Bloomfield SA, Xin D, Völgyi B.
Feedback inhibition in the inner retina mediates surround responses of AII amacrine cells.
Annual meeting of The Association for Research in Vision and Ophthalmology

Ozaita A, Völgyi B, Bloomfield SA, Rudy B.
Localization of Kv3 K⁺-channel subunits in the mouse retina.

Xin D, Völgyi B, Bloomfield SA
Effects of TTX and GABA blockers on the response properties of AII amacrine cells in the dark-adapted rabbit retina.
Annual meeting of The Association for Research in Vision and Ophthalmology

Völgyi B: Bloomfield SA
Effects of GABA blockers on the response properties of amacrine cells in the rabbit retina

Pollák E, Völgyi B, Gáбриel R, Lázár Gy.
Extrinsic and intrinsic elements of the nucleus isthmii in the frog. Ultrastructure and immuncytochemistry.

Völgyi B, Veisenberger E, Pollák E, Gá bribel R.
ANP-like immunoreactivity in photoreceptor cells of the rabbit retina.

Völgyi B, Váradi E., Pollák E., Gá bribel R
Calretinin immunoreactive structures in the optic tectum of frog, Rana e sculenta.
Pollák E., Tóth P, Gábriel R, **Völgyi B**, Lázár Gy
Light and electron microscopic analysis of GABA-immunoreactivity in isthmic nucleus of frog.
III. Conference of MITT, Balatonfüred, Abstract (p75) (1996)

Toldi J, Farkas T, **Völgyi B**, Rojik I.
Neonatal enucleation induces cross-modal changes in the barrel cortex of the rat.
XVII. Conference of ENA, Vienna. (1994)

**Völgyi B**, Toldi J.
Korai szenzoros depriváció hatása patkány tájékozódására, tanulására labirintusban.
LVII. Conference of MÉT Pécs, Abstract (p14) (1992)

**Konferenciai előadások**

**Völgyi B**, Buzás P
Distribution of the calcium binding proteins in the frog and rabbit retina.
I. Conference of Hungarian PhD students, Debrecen, Abstract (Ph.D.6.) (1996)

**Völgyi B**, Deans M, Paul DL, Bloomfield SA
Role of AII amacrine cell coupling in rod vision: Studies using a connexin36 knockout mouse.
Annual meeting of The Association for Research in Vision and Ophthalmology
Absztrakt és egyéb folyóiratban/Konferencia absztrakt/Tudományos Supplement: Suppl. S 1944.

**Völgyi B**, Bloomfield SA
Roles of gap-junctions in the rod pathway of the mammalian retina.

**Könyvfejezet**

Distribution and functional roles of neuronal gap junctions in mouse retina.
In: Chalupa LM, Williams RW (szerk.)
**Eye, retina and visual system of the mouse.**

Saját közlemények száma: 38
Idézetek száma: 549
Független idézetek száma: 489
Függő idézetek száma: 60
Összeggazott impakt faktor: 109,675
Várható IF-ek összege: 8,482
Összesen: 118,157