

Optometry DistList

Instance 2018:67

Friday, 20 July 2018

Today's subjects

- Boosting electrical activity in the eye may lead to new treatments for painful dry eye
- Scientists find psychological stress contributes to vision loss.
- Glaucoma drug useful in brain cancer fight
- IAPB #EyeCareEverywhere Photo Competition
- New leadership and a new era at Brien Holden Vision Institute
- Workshop on Advancements in Progressive Addition Lenses – Last few seats left!
- PhD opportunity at LVPEI, Hyderabad

Date: 26 June 2018

From: Gouri Pravalitha (gouripravalitha.p@gmail.com)

Subject: Boosting electrical activity in the eye may lead to new treatments for painful dry eye

Dry eye is a common condition often caused by a disruption in the eye's fluid balance. A long-term imbalance of too much salt and not enough water (hyperosmolarity) in the thick layer of fluid in the eye (tear film) can lead to inflammation and cell damage that may become irreversible

Extremely fast electrical signals carry messages throughout the body, telling it how to function. This process plays a role in how the body responds to various stimuli.

Goblet cells release a protein called mucin--the basis of mucous--which slows down the evaporation of tears and helps maintain the tear film's balance.

In a rat model of dry eye, they found that electrical activity in the goblet cells increases as hyperosmolarity rises in the tear film, which in turn allows the cells to produce more mucin. However, this voltage boost is short-lived. If the salt-to-water ratio of the tear film remains unbalanced in the long-term, the goblet cells' electrical activity returns to normal levels without producing additional mucin.

For full article please visit: <https://doi.org/10.1152/ajpcell.00077.2018>

Date: 29 June 2018

From: Sheryl. N (sherylnewton1305@gmail.com)

Subject: Scientists find psychological stress contributes to vision loss.

Scientists have highlighted stress can cause impaired vision. According to author, stress is both a consequence and cause of vision loss. This creates a vicious cycle of a downward spiral, in which initial vision loss creates stress which further accelerates vision loss. The elevated cortisol levels negatively affect the eye and brain, causing visual system diseases. This study is based on an analysis of hundreds of research papers and clinical reports.

For further clarification please click the link below:

<https://www.aop.org.uk/ot/science-and-vision/research/2018/06/22/scientists-find-psychological-stress-contributes-to-vision-loss>

Date: 09 July 2018

From: Revanth Kumar (revanth.kumar@indiavisioninstitute.org)

Subject: Glaucoma drug useful in brain cancer fight

Scientists have found that a medication used to treat glaucoma and other conditions restored the effectiveness of a common chemotherapy drug against treatment-resistant brain cancer in mice. Their findings suggest the medication, named acetazolamide, could potentially serve as an unexpected tool for sensitizing brain tumours to existing anti-cancer agents. Gliomas represent a class of brain cancers that include dangerous malignancies such as Glioblastoma. Although each class of glioma responds to therapies in different ways, almost all glioma patients currently receive the same standardised therapy consisting of “alkylating” chemotherapeutic drugs such as Temozolomide (TMZ). However, many patients may not successfully respond to TMZ and other drugs

Date: 9 July 2018

From: World Council of Optometry

Subject: IAPB #EyeCareEverywhere Photo Competition

IAPB is pleased to announce that the fourth edition of the World Sight Day photo competition is now open. Send eye care photos featuring the theme #EyeCareEverywhere and win USD 1000 and a Canon 1200D.

This year, IAPB has a special category: delegates to the IAPB Council of Members in Hyderabad, India will vote for their favourite submission from the Editor’s picks (The dates of the Council are 15-16 September 2018). The winner will get a special mention and a certificate. The competition closes on World Sight Day 2018 (11 October 2018).

For more information, click here: <https://iapb.us2.list-manage.com/track/click?u=79748129c9bdcb46ed493d6f8&id=e46c959a05&e=2c862f736a>

Date: 16 July 2018

From: Brien Holden Vision Institute (s.davis@brienholdenvision.org)

Subject: New leadership and a new era at Brien Holden Vision Institute

In a time of rising myopia prevalence, soon to affect half the world's population, Brien Holden Vision Institute has announced a shift in focus to address future needs both for the ophthalmic industry and the public health sector. The shift will see a redoubling of efforts to strengthen core business – delivering optical inventions and public health solutions to the world.

Professor Kovin Naidoo has resigned as CEO of the both Institute and the Brien Holden Vision Institute Foundation. This allows an opportunity to create a new structure for the businesses. The Board of the Institute announced a two-pronged approach to the development of the group's new focus.

Ms Yvette Waddell, as new CEO of the Institute, will focus on a translational research response. The role of CEO of the Foundation has traditionally been held by the CEO of the Brien Holden Vision Institute. In a new role, Ms Amanda Davis will take on a dedicated position of Interim CEO to drive the public health response.

For more information, click here: <https://www.brienholdenvision.org/news/item/158-new-leadership-and-a-new-era-at-brien-holden.html>

Date: 18 July 2018
From: India Vision Institute (info@indiavisioninstitute.org)
Subject: Workshop on Advancements in Progressive Addition Lenses – Last few seats left!

One-day hands on workshop for optometrist to enhance existing knowledge on PALs and equip with better skills towards effective optical sales.

Key Resource Faculty: Mr. Srikanth Maseedupalli, Faculty, L V Prasad Eye Institute, Hyderabad

Who can attend: Optometry practitioners, educators & students

Workshop Date and Time: Thursday, 26 July, 09.00 AM to 5.00 PM

Venue: Brien Holden Institute of Optometry and Vision Sciences, GPR Campus, LV Prasad Eye Institute, Kismatpur, Hyderabad

Registration Fee: INR 1000 per participant

Deadline for Registration: Monday, 23 July, 2018

To register, please write to sheeba.swarna@indiavisioninstitute.org or call at 8978519292

Date: 19 July 2018
From: Shrikant Bharadwaj (bharadwaj@lvpei.org)
Subject: PhD opportunity at LVPEI, Hyderabad

LVPEI has become a PhD training center for Academy of Scientific and Innovative Research (AcSIR), an institution of national importance of India. To know more about AcSIR, please visit the website: <http://acsir.res.in>.

The application deadline for PhD positions in Vision Sciences is 30th July. Please send your latest curriculum vitae with a cover letter stating that you are interested in applying to this PhD programme in optometry and vision science. The email should be sent to Dr Shrikant R. Bharadwaj at bharadwaj@lvpei.org with a CC to Ms Elena Roopchandra at elena@lvpei.org.

Please note the minimum qualification for applying for this program is a 4-yr BS training in Optometry. What would desirable is a candidate with this level of qualification or more with a strong interest/background in research. The selected candidates will have to undertake a set of rigorous class work in the first few semesters, following which they will write a qualifier examination. People who clear the qualifier exams can register for a PhD. People who fail will get a second chance to take a dig at the qualifier exam.

For any queries, please write to: bharadwaj@lvpei.org

Note:

To subscribe to OptDistList, please send an email to info@indiavisioninstitute.org with the subject line titled 'SUBSCRIBE'

To unsubscribe from OptDistList, please send an email to info@indiavisioninstitute.org with the subject line titled 'UNSUBSCRIBE'.

Administrivia:

The OptDistList is a service provided by the India Vision Institute (IVI)

DistList postings are for informational purposes only and do not imply endorsement by IVI

Instructions for DistList postings:

IVI invites contributions including latest updates and new developments in Optometry, innovative ideas, optometry job vacancies, conferences, links to interesting articles and other latest happenings.

All contributions need to be in word format (not more than two to three paragraphs including a title).

Send in your contributions with your name and contact details to info@indiavisioninstitute.org

DistList Archives:

All instances of the DistList are available (both for browsing by whole items and searching for individual messages): <http://www.indiavisioninstitute.org/optdistlist.php>
