

# General Psychiatry



GPSYCH has now been accepted into ESCI

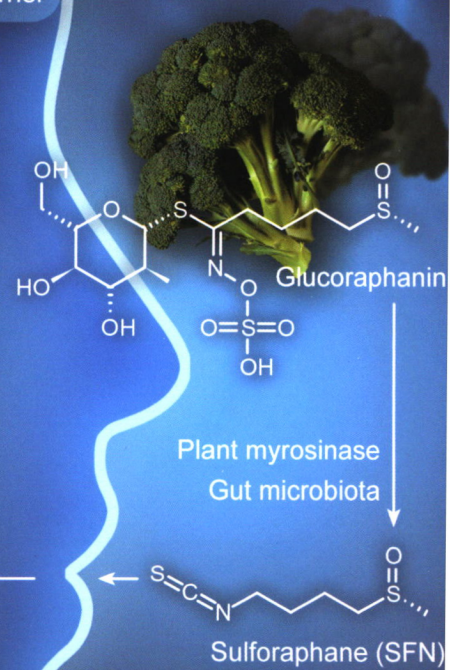
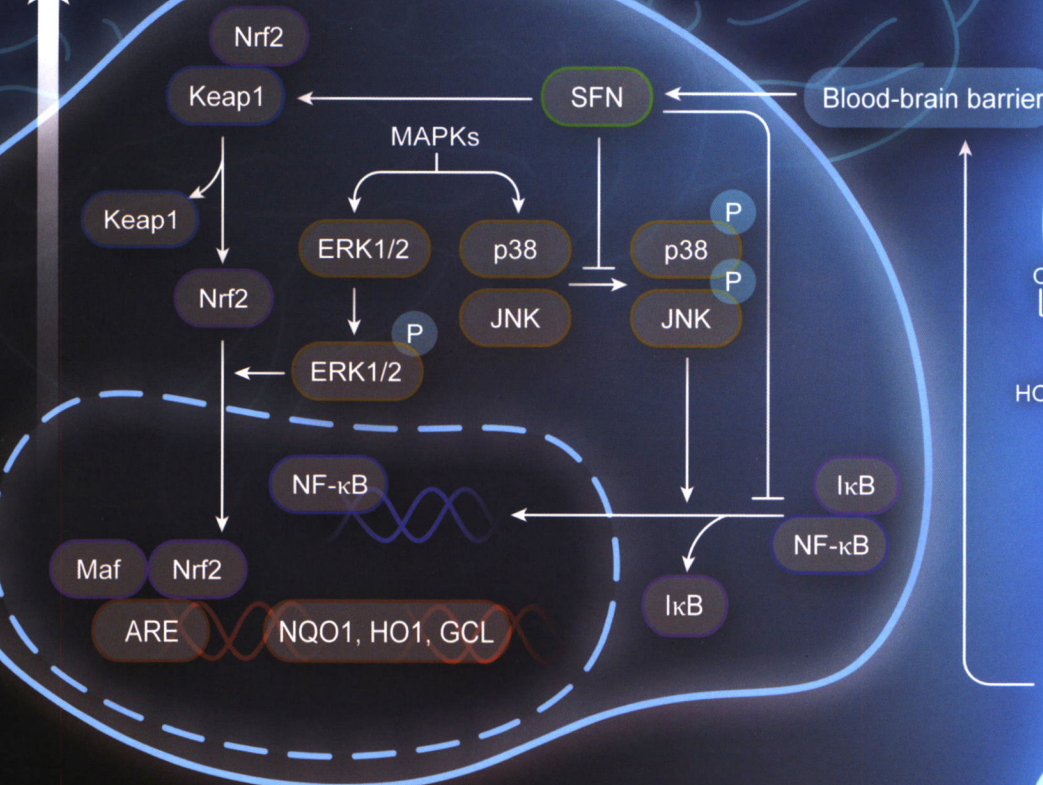
Volume 35  
Issue 2  
April 2022

[gpsych.bmj.com](http://gpsych.bmj.com)

Special Issue for  
Clinical High Risk of Psychosis

Anti-oxidation  
Anti-inflammation  
Induction of autophagy  
Mitochondrial protection

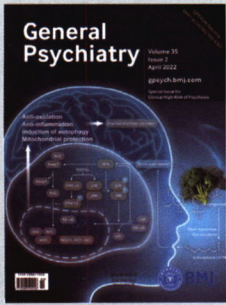
Improve psychotic disorders



ISSN 2096-5923  
9 772096 592226

综合精神医学  
ISSN 2096-5923  
CN 31-2152/R





Cover: An illustration of biological mechanisms of sulforaphane (SFN). See Zheng, *et al.* 2022; 35:e100700.

**Editor in Chief**  
Yifeng Xu (China)

**Deputy Editors**  
Jinghong Chen (China)  
Min Zhao (China)

**Associate Editors**  
Kenneth J Gill (USA)  
Lingjiang Li (China)  
Tao Li (China)  
Lin Lu (China)  
Michael R Phillips (Canada)  
Norman Sartorius (Switzerland)  
Hanting Zhang (USA)

**Systematic Review and  
Meta-analysis Editor**  
Chunbo Li (China)

**Biostatistical Editors**  
Changyong Feng (USA)  
Hua He (USA)  
Xin M Tu (USA)  
Xinlian Zhang (USA)

**Editorial Office**  
Andrew Fralick (USA)  
Lei Zhang (China)  
Manfei Xu (China)  
Yu Zhang (China)  
Junxiu Zhao (China)  
Liya Sun (China)  
Shi Gao (China)

**Disclaimer:** The Editor of *GPSYCH* has been granted editorial freedom and *GPSYCH* is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. *GPSYCH* is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by *GPSYCH* does not imply endorsement. Neither *Shanghai Mental Health Center* nor *BMJ Publishing Group Limited* shall have any liability for any loss, injury or damage howsoever arising from *GPSYCH* (except for liability which cannot be legally excluded).

ISSN: 2096-5923  
CN: 31-2152/R

**Responsible Institute:** Shanghai Mental Health Center

**Sponsor:** Shanghai Municipal Health Commission

**Publisher:** BMJ Publishing Group Ltd

**Address:** 600 South Wanping RD, Shanghai, China

**Telephone number:** +86 (021) 34773296

**Website:** <https://gpsych.bmj.com/>

**Email:** [generalpsychiatry@smhc.org.cn](mailto:generalpsychiatry@smhc.org.cn)

**Printing:** Shanghai Mier Printing Co., Ltd.

**Domestic Subscription:** Shanghai Magazine Subscription Office

**Publication format:** Open Access

**Chinese Postal Distribution Code:** 4-951

**Advertisement permit number:**

3100420190018

**Single issue price:** 18.00 RMB

## Contents

Volume 35 Issue 2 | *GPSYCH* April 2022

### Editorial

- 73** Clinical high risk for psychosis provides new opportunities for schizophrenia intervention strategies  
*J Wang, W S Stone*

### Highlights

- 76** Artificial intelligence-assisted niacin skin flush screening in early psychosis identification and prediction  
*T Chen, H Liu, R Tian, R Gan, W Xu, T Zhang, J Wang*

### Review

- 79** Biological mechanisms and clinical efficacy of sulforaphane for mental disorders  
*W Zheng, X Li, T Zhang, J Wang*

### Systematic review

- 85** Mental health research in the Arab region in response to the COVID-19 pandemic: a scoping review  
*M H M O Hassan, I H E Abdelhafez, S Ouanes, E Al-Janahi, Y Zoghbi, O Wadoo*

### Original research

- 92** Attenuated niacin-induced skin flush response in individuals with clinical high risk for psychosis  
*R Gan, Y Wei, G Wu, J Zeng, Y Hu, L Xu, X Tang, X Liu, H Liu, T Chen, J Wang, T Zhang*
- 101** Reduced temporal activation during a verbal fluency test in clinical high risk of psychosis: a functional near-infrared spectroscopy-based study  
*Y Wei, X Tang, T Zhang, W Su, L Xu, H Cui, Z Qian, T Zhang, J Wang*

- 109** Different patterns of association between white matter microstructure and plasma unsaturated fatty acids in those with high risk for psychosis and healthy participants  
*W Su, Z Li, L Xu, J Zeng, Y Tang, X Tang, Y Wei, Q Guo, T Zhang, J Wang*

- 119** Altered attentive bias towards interpersonal communication information across phases of schizophrenia: an eye-tracking study  
*Y Zhu, L Xu, Q Guo, T Zhang, X Hu, P Enck, J Wang, C Li*

- 127** Impact of adverse childhood experiences on the symptom severity of different mental disorders: a cross-diagnostic study  
*W Gu, Q Zhao, C Yuan, Z Yi, M Zhao, Z Wang*

- 137** Sociodemographic correlates and associated factors of depression and anxiety among internally displaced adults in Ogoja, Nigeria  
*U M-J Ugbe, E B Esu, J A Eful, M M Bisongedam, T M Awa, O I Ekpo*

### Research methods in psychiatry

- 148** Abnormal neural oscillations in clinical high risk for psychosis: a magnetoencephalography method study  
*Y Hu, J Wu, Y Cao, X Tang, G Wu, Q Guo, L Xu, Z Qian, Y Wei, Y Tang, C Li, T Zhang, J Wang*

### Forum

- 154** Barriers to WHO Mental Health Action Plan updates to expand family and caregiver involvement in mental healthcare  
*J P Eckardt*

# General Psychiatry

Providing leading psychiatry research since 1959

**General Psychiatry** is an open access journal that covers all topics of interest to psychiatrists and other mental health professionals internationally. The journal includes original research, systematic reviews, meta-analyses, forums on topical issues, case reports, research methods in psychiatry, and a unique section on 'Biostatistics in Psychiatry'.



## ESCI



## BMJ

万方数据



Learn more today  
[gpsych.bmj.com](https://gpsych.bmj.com)