

**Name of Journal:** *World Journal of Transplantation*

**Manuscript NO:** 54138

**Manuscript Type:** REVIEW

**Pharmacogenetics of immunosuppressant drugs: A new aspect for individualized therapy**

Maurizio Salvadori, Aris Tsalouchos

### Abstract

In recent years, pharmacogenetics has emerged as an important tool for choosing the right immunosuppressant drug and its right dose. Indeed, pharmacogenetics may exert its action on immunosuppressant drugs at three levels. Pharmacogenetics identifies and studies the genes involved in encoding the proteins involved in drug pharmacokinetics

### Match Overview

|   |   |    |
|---|---|----|
| 1 | <b>Crossref</b> 103 words<br>Ingolf Cascorbi. "The Pharmacogenetics of Immune-Modulating Therapy", Elsevier BV, 2018                              | 2% |
| 2 | <b>Crossref</b> 98 words<br>Kelly A. Birdwell, Cecilia P. Chung. "The Potential of Pharmacogenomics to Advance Kidney Disease Treatment", Clinica | 2% |
| 3 | <b>Internet</b> 60 words<br>crawled on 16-Apr-2020<br><a href="http://journals.lww.com">journals.lww.com</a>                                      | 1% |
| 4 | <b>Internet</b> 51 words<br>crawled on 20-Jul-2019<br><a href="http://scholars.uab.edu">scholars.uab.edu</a>                                      | 1% |



国内版

国际版

Pharmacogenetics of immunosuppressant drugs: A new aspect for indi



网页

图片

视频

学术

词典

地图

检测到您输入了英文，试试切换到国际版？ 搜英文结果更丰富更准确



18,600 条结果 时间不限 ▾

## Individualized immunosuppression in transplant ... 翻译此页

Cited by: 11

Author: Hamid Abboudi, Iain Am MacPhee

Publish Year: 2012

位置: 8600 Rockville Pike, Bethesda, MD

2012-6-18 · Individualized immunosuppression in transplant patients: potential role of pharmacogenetics ... Industry-sponsored studies conducted as part of the licensing process for new drugs have tended to focus on the short term outcomes of early acute rejection rate and 1 year graft survival. ... higher concentrations of P-gp on T-lymphocytes will lead ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3513229>

## Pharmacogenomics aspect of immunosuppressant ... 翻译此页

Cited by: 1

Author: Loralie Langman, Teun van Gelder, Ron H...

Publish Year: 2016

ABCB1 has a broad substrate specificity , including immunosuppressant drugs. As the old MDR1 name implies, ABCB1 removes drugs from the intracellular compartment of lymphocytes, their main therapeutic target. For this reason, the activity of ABCB1 may affect intracellular concentrations and may influence the immunosuppressive effect.

<https://www.sciencedirect.com/science/article/pii/B9780128008850000059>

## Pharmacogenetics of immunosuppressive drugs: ... 翻译此页

The immunosuppressive drugs used to prevent the rejection of transplanted organs have a narrow therapeutic index. Under treatment results in episodes of rejection leading to either damage or loss ...

<https://www.researchgate.net/publication/5385825...>





## Pharmacogenomics aspect of immunosuppressant therapy ...

<https://www.sciencedirect.com/science/article/pii/B9780128008850000059>

**Pharmacogenetics** is the discipline that translates information on genetic variability into prediction of the **pharmacokinetics** (PK) and **pharmacodynamics effects of drugs** and was assumed to revolutionize **pharmacotherapy**. Patients would no longer be treated with standard **drugs** in ...

**Cited by:** 1 **Author:** Loralie Langman, Teun van Gelder, Ron ...

**Publish Year:** 2016

## Individualized immunosuppression in transplant patients ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3513229>

Jun 18, 2012 - Currently, **immunosuppressive drug treatment** is **individualized** based on a clinical assessment of the risk of rejection or toxicity. **Therapeutic drug monitoring** is routinely employed for several **immunosuppressive drugs**. **Pharmacogenetics** has the potential to **complement therapeutic drug monitoring** but clinical benefit has yet to be demonstrated.

**Cited by:** 11 **Author:** Hamid Abboudi, Iain Am MacPhee

**Publish Year:** 2012

## Pharmacogenomics and Individualized Drug Therapy | ...

<https://www.annualreviews.org/doi/abs/10.1146/annurev.med.56.082103.104724>

**Pharmacogenetics** deals with inherited differences in the response to **drugs**. The best-recognized examples are genetic polymorphisms of **drug-metabolizing enzymes**, which affect about 30% of all **drugs**. Loss of function of thiopurine S-methyltransferase (TPMT) results in severe and life-threatening hematopoietic toxicity if patients receive standard doses of mercaptopurine and azathioprine. Gene ...

**Cited by:** 707 **Author:** Michel Eichelbaum, Magnus Ingelman-Su...

**Publish Year:** 2006

## [PDF] Pharmacogenetics of Immunosuppressive Drugs in Renal ...

<https://cdn.intechopen.com/pdfs/29968/InTech...>

**Pharmacogenetics of Immunosuppressive Drugs in Renal Transplantation** 145 On the other hand, **Pharmacogenomics** is responsible for discovering the relationships between genes and disease by means of the molecular etiology and pathways of each illness. The identification of these **new associations** opens a window to search for **new drugs** for