ERRATUM

Multifaceted role of β-arrestins in inflammation and disease

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Since the online publication of this article, the authors have noticed that Table 3 was published incorrectly. The corrected Table 3 is shown here.

The typesetters would like to apologise for this error.

This error has now been rectified, and the corrected article appears in this issue. The html and online pdf versions have also been rectified, and now carry the corrected paper.

Table 3. Role of β-arrestins in inflammatory diseases

| Disease /model | System | Outcome | Mechanism | Reference |
|----------------|--------|---------|-----------|-----------|
| MS/EAE         | β-arr1−/− | Protected | β-arr1 upregulates bcl-2; survival benefit to activated T cells | 51 |
|                | β-arr1+ | Susceptible | Lower Treg induction | 103 |
| Meningitis/cytotoxicity to C. neoformans | PBMC-β-arr2 OE | Lower | Negative regulation of IFNγ production | 153 |
| Asthma/OVA sensitized model | PBMC-β-arr2 KD | Higher | Lower immune cell infiltration and airway hyperresponsiveness | 70,119 |
| Endotoxemia/LPS | β-arr1−/− | Protective | Lower systemic response (IFNγ) | 148 |
|                | β-arr1+ | Susceptible | Lower systemic response (IL-6) | 148 |
|                | (20 mg kg⁻¹) | | | |
| Endotoxemia/o-galactosamine+LPS | β-arr2−/− | Susceptible | Lower IL-10 production | 149 |
| Sepsis/cecal ligation and puncture or polymicrobial injection | β-arr1−/− | Susceptible | Higher systemic response (TNFα and IL-6) | 85 |
|                | β-arr2−/− | Protective | Higher systemic response (IL-6); nonhematopoietic β-arr1 inhibits inflammation | 57 |
|                | (10 mg kg⁻¹) | | | |
| Myocardial infarction | β-arr1−/− | Protective | Tissue remodeling through inflammation and neurohormonal modulation | 132 |
|                | β-arr2−/− | Susceptible | Higher inflammation | 133 |
| Colitis/DSS or TNBS | β-arr1−/− | Protective | Lower IL-6 and higher IL-22 production | 124 |
|                | β-arr2−/− | Susceptible | Higher inflammatory response | 104 |
| Arthritis/CAIA | β-arr1−/− | Protective | Lower Th17 polarization | 104 |
|                | β-arr2−/− | Susceptible | Lower ER-stress-induced epithelial apoptosis | 107 |
| Pulmonary fibrosis/bleomycin-induced lung fibrosis | β-arr1/2−/− | Protective | Loss of anti-inflammatory regulation | 121 |
| Cystic fibrosis/CFTR−/− | β-arr2−/− | Lower cholesterol synthesis and CREB activation | 141,142 |
| Cutaneous flushing/nicotinic acid injection | β-arr1−/− | Reduced | Lowered prostaglandin D2 production | 145 |