



Cover image: Pictured are possible impacts to multiple sectors in a warming world. Hans Joachim Schellnhuber, Katja Frieler, and Pavel Kabat introduce a series of articles that address the challenges of projecting on-the-ground social and environmental impacts of different global temperature increases. See the Introduction by Schellnhuber et al. on pages 3225–3227, a part of the Global Climate Impacts: A Cross-Sector, Multi-Model Assessment Special Feature. Images courtesy of: (*Top row*) Wikimedia Commons/Danny S.; Potsdam Institute for Climate Impact Research (Potsdam, Germany). (*Bottom row*) Wikimedia Commons/Thomas Castelazo; Flickr.com/CraneStation.

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- 3502 **Local immunostimulation leading to rejection of accepted male skin grafts by female mice as a model for cancer immunotherapy**

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- 3508 **Opposing actions of IL-2 and IL-21 on Th9 differentiation correlate with their differential regulation of BCL6 expression**
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- 3514 **Circulating giant macrophages as a potential biomarker of solid tumors**
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- 3520 **Distance to health services affects local-level vaccine efficacy for pneumococcal conjugate vaccine (PCV) among rural Filipino children**
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- 3526 **IL-1 receptor blockade restores autophagy and reduces inflammation in chronic granulomatous disease in mice and in humans**
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- 3532 **Mislocalization of phosphotransferase as a cause of mucolipidosis III αβ**
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- 3538 **A glioma classification scheme based on coexpression modules of EGFR and PDGFRA**
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- 3544 **Tissue factor expression provokes escape from tumor dormancy and leads to genomic alterations**
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- 3550 **Molecular dynamics reveal BCR-ABL1 polymutants as a unique mechanism of resistance to PAN-BCR-ABL1 kinase inhibitor therapy**
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- 3217 **Global analysis of cell cycle gene expression of the legume symbiont *Sinorhizobium meliloti***
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- 3556 **Small distances can keep bacteria at bay for days**
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- 3561 **Host plant peptides elicit a transcriptional response to control the *Sinorhizobium meliloti* cell cycle during symbiosis**
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- 3567 ***Toxoplasma* aldolase is required for metabolism but dispensable for host-cell invasion**
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- 3573 **Identification of a conserved branched RNA structure that functions as a factor-independent terminator**
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- 3579 **A lipid-mediated conformational switch modulates the thermosensing activity of DesK**
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- 3585 **Effects of polymerization and nucleotide identity on the conformational dynamics of the bacterial actin homolog MreB**
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- 3597 **Vesicle capture, not delivery, scales up neuropeptide storage in neuroendocrine terminals**
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- 3602 **Suppressing thyroid hormone signaling preserves cone photoreceptors in mouse models of retinal degeneration**
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- 3608 **Cortisol shifts financial risk preferences**
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- 3620 **Intercellular propagated misfolding of wild-type Cu/Zn superoxide dismutase occurs via exosome-dependent and -independent mechanisms**
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- 3632 **Tyrosine phosphorylation of protein kinase complex BAK1/BIK1 mediates *Arabidopsis* innate immunity**
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- 3638 **Elevated morning cortisol is a stratified population-level biomarker for major depression in boys only with high depressive symptoms**
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- E807 **Archaeological data provide alternative hypotheses on Pacific herring (*Clupea pallasii*) distribution, abundance, and variability**
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- E866 **Chromosome 3p loss of heterozygosity is associated with a unique metabolic network in clear cell renal carcinoma**
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- 3644 **Recovery of a top predator mediates negative eutrophic effects on seagrass**
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- 3645 **Programmed Allee effect in bacteria causes a tradeoff between population spread and survival**
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- 3645 **Mapping the receptor site for α-scorpion toxins on a Na⁺ channel voltage sensor**
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