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Year in Review

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If examination of journal performance is a surrogate for the vitality of a discipline, the continued ascension of *Clinical Pharmacology and Therapeutics* (*CPT*) bodes well for the evolution and practice of human therapeutics in this decade. *CPT* has excelled as the authoritative, cross-disciplinary journal in experimental and clinical medicine devoted to publishing advances in the nature, action, efficacy and evaluation of therapeutics in humans. Building on a foundation that established the core tenets, and a framework providing the structural integrity for the field, *CPT* was conceived by visionary precedent editors and editorial teams who were themselves leaders of this discipline. Today, *CPT* is regarded as the premier international forum for the intersection of diverse communities of practice enriching the discovery and application of therapeutics in this new era of molecular science and translational medicine (Fig. 1).²

The vigor of *CPT* is evidenced by the increased enthusiasm of medical and clinical pharmacology communities to publish their work in this peer-reviewed communication medium. Indeed, *CPT* is over-subscribed, and submissions exceed available space. In 2010, there were a total of ~800 submissions, with an acceptance rate of ~20% for original research. Similarly, the content of *CPT* is widely disseminated, with more than 2,000,000 page views online and 150,000 access events in PubMed last year alone. Dissemination of journal content is remarkably facilitated by the evolution of the *CPT* website and its accessibility through the **Nature Publishing Group (NPG)** counterpart, which

sustains over 2 million visits daily. This exposure and access, coupled with the high quality of the content and its potential to transform practice within the discipline is reflected in the consistently high impact factor calculated by the **Institute for Scientific Information (ISI)**, which was 6.96 in 2009. Over the years, the sustained impactfulness has continued to position *CPT* as a top journal primarily publishing original research in the **ISI** category of pharmacology and pharmacy.

Beyond the impact of the primary research, CPT continues to strive to readership through the evolution of innovative content. inform the Commentaries³ and Point-Counterpoint⁴ shape the science and practice of clinical pharmacology by creating a forum for open debate on the most pressing and volatile issues in the discipline. Macroscopy attempts to contextualize the practice of clinical pharmacology within the larger framework of economic, social and political reality impacting our international community of practice.⁵ **Discovery** probes the cellular and molecular mechanisms emerging from enabling platform technologies that provide insight into pathophysiology and open new avenues with transformative clinical potential in diagnostics and therapeutics. 6 Translation explores cutting edge diagnostic and therapeutic paradigms emerging from mechanistic insights in pathophysiology that bridge discovery science and clinical practice, new tools that optimize therapeutic decision-making, novel algorithms from development and clinical science that accelerate discovery of targeted interventions, and clinical observations that yield unexpected insights into fundamental mechanisms

underlying pathophysiology (reverse translation).⁷ **Development** highlights emerging innovations in tools, platforms, and applications that transform diagnostic and therapeutic development, new algorithms that optimize the clinical utility of patient- and population-based interventions, and evolution of regulatory and economic policies centered on optimizing disease management.^{8, 9} **Opinions** provide a forum for discussion of key issues central to the multidimensional nature of the discipline, including ethics, education, and public policy. 10 State of the Art reviews continue to be one of the most popular and impactful elements in the journal, quantified by citations, providing detailed analysis and perspectives of emerging fields and their applications in diagnostics, therapeutics, and patient and population management that shape our community.11

The success of *CPT* reflects the considerable talents of individuals who work collectively to ensure the highest quality, most engaging, and maximally informative product is achieved in each issue. The accomplished and talented Associate Editors conceive, select, and evolve the scientific and conceptual themes. They identify authors for invited contributions, issue those invitations, supervise the review process for invited manuscripts, and generate the editorial content for each issue. Moreover, they manage the review of all submitted manuscripts, performing the initial evaluation to determine suitability for review, analyzing those reviews, and preparing decisions on each manuscript. The Editorial Board is comprised of leaders in the field who provide context and

direction for thematic issues, suggest authors for invited contributions, and contribute reviews to each manuscript considered by the journal. The Publications Committee of the American Society for Clinical Pharmacology and **Therapeutics** (ASCPT), the owner of *CPT*, ensures that the journal and its scientific leadership are unencumbered by fiscal considerations and policies of the Society, so that the scientific/technical content of the journal reflects the best available science and practice, and the editorial content reflects best ideas without undue influence. Production of each issue is supervised by the Managing Editor and her team in the journal office at ASCPT headquarters. These professionals perform the arduous task of tracking all manuscripts, authors, and editors to ensure that each issue is complete, adheres to rigorous production standards, and is produced according to schedule. Finally, we are grateful to our NPG colleagues who have provided generous intellectual and resource support in the design, production, and continued evolution of the journal. The organization, look, and tone of **CPT** largely reflect the processes in design, strategy and focus that leverage the rich history of NPG and its flagship journals.

CPT is a living entity, continuously adapting to the changing intellectual and informational landscape to remain current and relevant to its readership and the discipline. The field of human diagnostics and therapeutics is dynamic and evolving, and the rate of progress is exponential, entrained by new knowledge in health and disease produced by advances in medical and

biological sciences. To keep the readership abreast of these rapidly developing fields, CPT will increase invitations for the enormously popular State of the Art reviews for each issue, to better cover the broadening landscape of clinical pharmacology, from molecules to man to populations. 12, 13 In addition, starting in 2012, the January issue of the journal will be devoted to Therapeutic Reviews, to best ensure that the latest innovations are available to our readership in patient management across communities of practice representing clinical specialties. This annual component will be conceived and assembled by a dedicated Therapeutics Review Editor. Also, following on the tradition of interacting with national consortia,14 CPT will work with the Pharmacogenomics Research Network (PGRN)¹⁵⁻¹⁷, the Pharmacogenomics Knowledge Base (PharmGKB), and the Clinical Pharmacogenetics Implementation Consortium (CPIC) to produce a regular contribution for CPT to disseminate evidence-based guidelines on the application of pharmacogenomic knowledge to the therapeutic management of patients and populations¹⁸. Finally, there is an emerging recognition that one key element of the conceptual continuum for clinical pharmacology, including discovery, development, regulation and utilization, is the conduct and reporting of Clinical Trials. Indeed, clinical trials represent the essential bridge translating discovery science into patientcentered algorithms transforming the delivery of healthcare. In partnership with our colleagues at NPG, CPT is launching a concerted initiative to attract manuscripts developed from well-conducted, well-reported and impactful clinical trials. This initiative will be supported by the appointment of dedicated Clinical Trials Editors. Moreover, a special fast track process that supports expedited reviews will be developed specifically for the timely consideration of manuscripts describing clinical trials.

Thus, Clinical Pharmacology and Therapeutics continues to be the leading journal in the field, highlighting the most impactful and transformative science underlying innovations in human diagnosis and therapy. The objectives going forward are to amplify the vibrancy of the content, enhance the excitement of the science, and expand the platform for open debate and traditional discussion beyond boundaries delineating our canonical communities of practice to engage policy and decision making both nationally and internationally. Innovations in content and production will be followed by data collection, assessment and evaluation, to develop the evidence base that defines the most impactful elements for the readership and discipline. We look forward to working with all of you in the continuing evolution of **CPT**.

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Figure Legend

Figure 1. Clinical Pharmacology and Therapeutics covers for the period 2007-2010 highlight the broad themes of discovery-development-regulation-use underlying the state-of-the-art in the principles and practice of human therapeutics.