Stanford

David Krist, MD, PhD

- Affiliate, Department Funds
- Resident in Surgery

Bio

BIO

MD, Carle Illinois College of Medicine (2024)

PhD, Chemistry, Northwestern University (2016)

CLINICAL FOCUS

- Residency

HONORS AND AWARDS

- King Li, MD, MBA Physician Innovator Award, Carle Illinois College of Medicine (2024)

Research & Scholarship

CURRENT CLINICAL INTERESTS

- General Surgery
- Surgical Oncology

Publications

PUBLICATIONS

- **Dual-Release Transdermal Menopause Patch with Dehydrated Hydrogel:In Vitro Release**
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- **Evaluating the impact of donor obesity on liver transplantation outcomes: the role of donor gender and age.** *HPB : the official journal of the International Hepato Pancreato Biliary Association*
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- **Hepatitis C-positive grafts for hepatitis C-negative recipients in liver transplantation: Buried treasure or depleting resource?** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
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- **AI is a viable alternative to high throughput screening: a 318-target study** *SCIENTIFIC REPORTS*
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- **Mechanism of millisecond Lys48-linked poly-ubiquitin chain formation by cullin-RING ligases.** *Nature structural & molecular biology*
  Liwocha, J., Li, J., Purser, N., Rattanasopa, C., Maiwald, S., Krist, D. T., Scott, D. C., Steigenberger, B., Prabu, J. R., Schulman, B. A., Kleiger, G.
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- **A Novel Pathway for Biosynthesis of the Herbicidal Phosphonate Natural Product Phosphonothrixin Is Widespread in Actinobacteria** *JOURNAL OF BACTERIOLOGY*
  Bown, L., Hirota, R., Goettge, M. N., Cui, J., Krist, D. T., Zhu, L., Giurgiu, C., van der Donk, W. A., Ju, K., Metcalf, W. W.
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- **Differentiating radiation necrosis from tumor recurrence: a systematic review and diagnostic meta-analysis comparing imaging modalities** *JOURNAL OF NEURO-ONCOLOGY*
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  2023; 162 (1): 15-23

- **Anterior versus Posterior Ventricular Catheter Placement in Pediatric Patients: A Systematic Review and Meta-Analysis** *WORLD NEUROSURGERY*
  Naik, A., Ramsy, N., Krist, D. T., Taha, B., Dharnipragada, R., Khanam, R., Sandoval-Garcia, C., Hassaneen, W., Tyler-Kabara, E. C., Arnold, P. M.
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- **Letter to the Editor: Neurosurgical Conferences Should Be Free for Medical Students: A Call to Action** *WORLD NEUROSURGERY*
  Naik, A., Krist, D. T., Merrill, S. A., Shlobin, N. A.
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- **Comparison of fluorescein sodium, 5-ALA, and intraoperative MRI for resection of high-grade gliomas: A systematic review and network meta-analysis** *JOURNAL OF CLINICAL NEUROSCIENCE*
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- **Robotic external ventricular drain placement for acute neurosurgical care in low-resource settings: feasibility considerations and a prototype design** *NEUROSURGICAL FOCUS*
  Smith, A. D., Teague, A. J., Naik, A., Janbahan, M., Smith, E. J., Krist, D. T., Parupalli, S., Teal, K., Hassaneen, W.
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- **UbMES and UbFluor: Novel probes for ring-between-ring (RBR) E3 ubiquitin ligase PARKIN** *JOURNAL OF BIOLOGICAL CHEMISTRY*
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