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# Artemis TOUMAZI

Mathematician - Biostatistician

## Publications

- Working **Toumazi A., Ursino M., and Zohar S.,**  
"dfpk: A Bayesian Dose-Finding Design using Pharmacokinetics (PK) for Phase I Clinical Trials"
- Working **Toumazis I., Kurt M., Karacosta L.G., Toumazi A., Kwon C., and Goldstein D.A.,**  
"Scheduling palliative chemotherapy treatment for metastatic colorectal cancer patients" (**Winner of the Society for Health Systems 2015 Graduate Student Paper Competition, presented by Institute of Industrial Engineers**)
- Working **Toumazis I., Kurt M., Karacosta L.G., Toumazi A., Kwon C., and Goldstein D.A.,**  
"Addressing palliative chemotherapy scheduling for metastatic colorectal cancer patients with financial limitations: A constrained dynamic program and scalable iterative approximation algorithms"

## Peer Reviewed Published Abstracts:

- June 2015 **Toumazis I., Kurt M., Karacosta L.G., Toumazi A., Kwon C., Goldstein D.A.,**  
"A dynamic programming approach to palliative chemotherapy scheduling for metastatic colorectal cancer patients", 2015 MSOM Healthcare Special Interest Group Meeting, Toronto, ON

## Conference Presentations

- June 2016 **Toumazis I., Kurt M., Toumazi A., Karacosta L.G., Kwon C.,**  
"Personalized Treatment Decisions For Metastatic Colorectal Cancer Patients", 2016 INFORMS International Conference, Hawaii, HA
- Nov 2015 **Toumazis I., Kurt M., Karacosta L.G., Toumazi A., Kwon C., Goldstein D.A.,**  
"Sequencing Chemotherapy Agents for Metastatic Colorectal Cancer Patients", 2015 INFORMS Annual Meeting, Philadelphia, PA
- Oct 2015 **Toumazis I., Kurt M., Toumazi A., Karacosta L.G., Kwon C., Goldstein D.,**  
"Assessing the role of sequencing up to three lines of chemotherapy in metastatic colorectal cancer treatment: A cost effectiveness analysis" The 37th Annual Meeting of the Society of Medical Decision Making, St. Louis, MO
- May 2015 **Toumazis I., Kurt M., Karacosta L.G., Toumazi A., Kwon C., Goldstein D.A.,**  
"Optimization of palliative chemotherapy scheduling for metastatic colorectal cancer patients", IIE Annual Conference 2015, Nashville, TN
- Feb 2015 **Toumazis I., Kurt M., Karacosta L.G., Toumazi A., Kwon C., Goldstein D.A.,**  
"Optimization of palliative chemotherapy scheduling for metastatic colorectal cancer patients" (Winner of the 2015 Society for Health Systems Graduate Student Paper Competition), Healthcare Systems Process Improvement Conference 2015, Orlando, FL

## Poster Presentations

June 2015 **Toumazi A., Privat M., Kennedy H., Knoblauch K.,**  
"Bayesian Analysis of Connectivity in Macaque Cerebral Cortex", R Quatrieme Rencontres 2015, Grenoble, France

## R Packages

Aug 2016 **Toumazi A., Ursino M., and Zohar S.,**  
**dfpk:** "A Bayesian Dose-Finding Design using Pharmacokinetics (PK) for Phase I Clinical Trials", CRAN

Working pkg **Toumazi A., Petit C., and Zohar S.,**  
**dfped:** "An approach for extrapolation and bridging of adult information in early dose-finding paediatric studies" expected on CRAN soon