



Name, Degree: James K. Bashkin, D.Phil.

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1. What are your current 3 main areas of research?

- Design and synthesis of antiviral compounds for human papillomavirus (and other double-stranded DNA tumor viruses)
- Mechanism of action of our antiviral compounds in cell culture
- Biophysics of minor groove binding agents interacting with DNA

2. What are the top 3 areas of expertise/tools you are looking for in a research collaborator?

- Virology of papilloma- and polyomaviruses
- Animal viruses, especially *in vivo* papilloma- and polyomaviruses
- DNA damage response pathways

3. What 3 skills/tools that you have access to, are you willing to share with a potential research collaborator?

- Polyamide synthesis (pyrrole-imidazole DNA-binding polyamides)
- Molecular biology and mammalian cell culture
- Organic, inorganic, organometallic synthesis, biochemistry