

Chemical carcinogens and chronic inflammation

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Statements

Belonging to the PhD thesis entitled

Chemical carcinogens and chronic inflammation: Partners in Crime

Quan Shi

Maastricht, 18th December 2017

1. Chronic inflammation enhances benzo[a]pyrene induced carcinogenesis by delaying benzo[a]pyrene metabolism, inhibiting the benzo[a]pyrene detoxification processes and creating a microenvironment which supports tumor progression. (*this thesis*)
2. When studying the effect of inflammation on carcinogen metabolism, it is critical to assess genotoxic endpoints at multiple time points, because measurements at different time points may lead to different conclusions. (*this thesis*)
3. A chemical carcinogen is like the match that lights the fire, and chronic inflammation is the fuel that feeds the flame. (*this thesis*)
4. Chemical carcinogens and chronic inflammation are partners in crime, but it is not yet known who is the godfather. (*this thesis*)
5. Inflammation is a complex process that cross-talks with carcinogen metabolism and carcinogen metabolism cross-talks with inflammation, which will make it even more complex to unravel their relationships. (*this thesis*)
6. The most complex things are made up of simple things.
7. Most cancers are preventable and prevention is a better and a more economic way to fight cancer than treating an already advanced and often intractable disease. (*Grivennikov SI et al., 2011, Cell*)
8. Becoming a scientist is like a good whiskey, it needs time to mature.
9. Success is not final, failure is not fatal: it is the courage to continue that counts. (*Winston Churchill*)
10. If you can not explain it simply, you do not understand it well enough. (*Albert Einstein*)