Figure 2

(a) Schematic of the experimental setup: 
- Source-sample distance, L
- Sample-detector distance, d
- X-ray beam
- Si (111) Double crystal monochromator
- Undulator
- Slits
- Ion chamber
- Scintillator
- Insect
- Objective lens
- Visible light
- Mirror
- CCD videocamera
- Double crystal monochromator
- Si (111)

(b) Flowchart of the process:
- MFC
- RC
- CO₂
- S
- Pump
- X-ray beam
- MFM

(c) Image of the experimental setup.